

FIG. 1

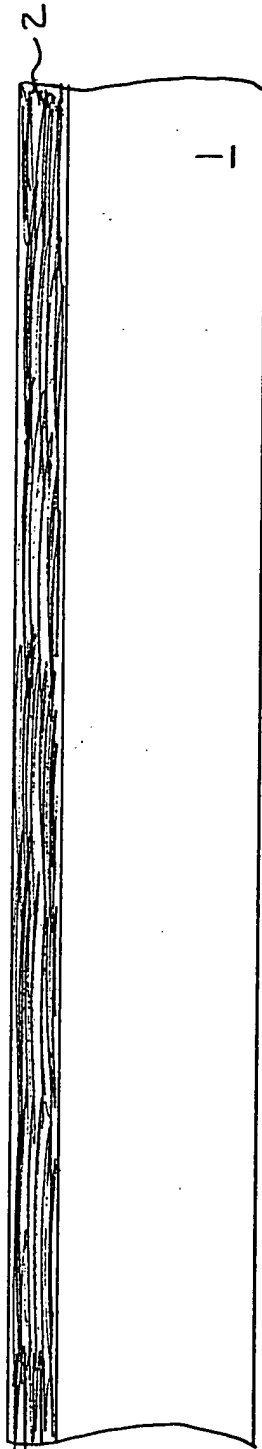


FIG. 2

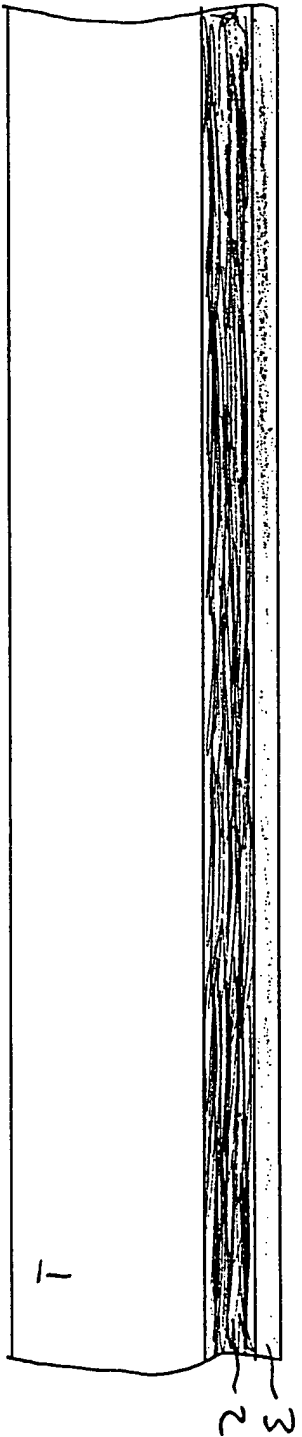


FIG. 3

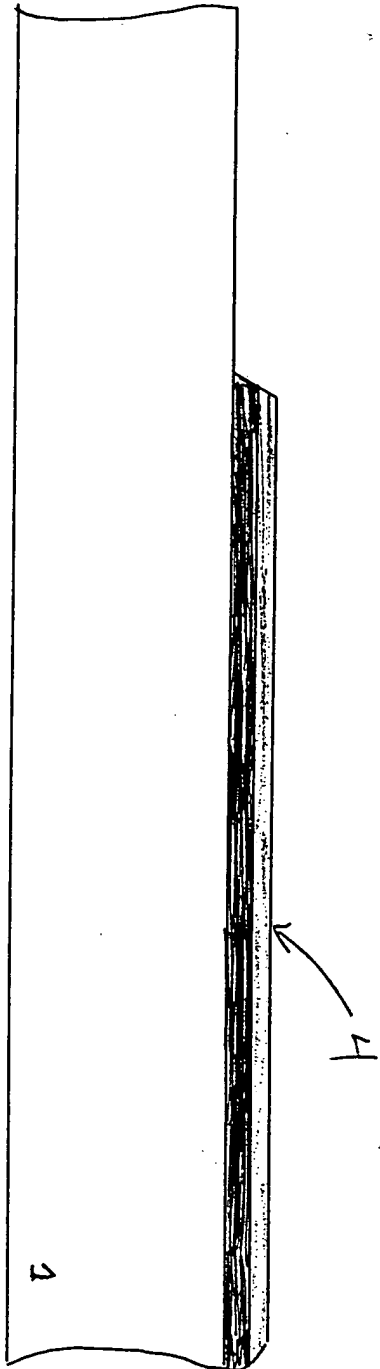


FIG. 4A

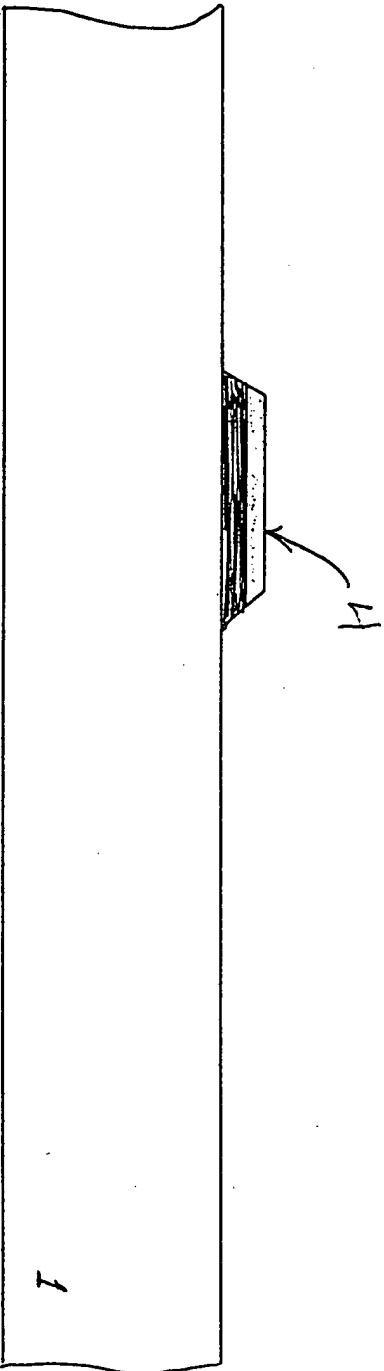


FIG. 4B

FIG. 4A and FIG. 4B are perspective views of a rectangular block 1 with a textured layer 4 on its top and side surfaces, respectively. The textured layer 4 is shown as a cross-hatched area.

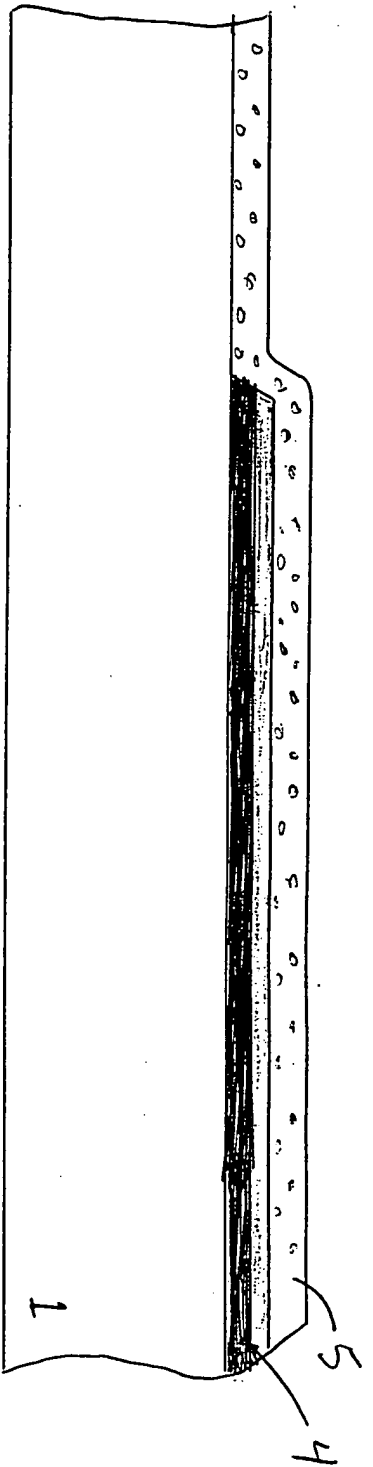


FIG. 5A

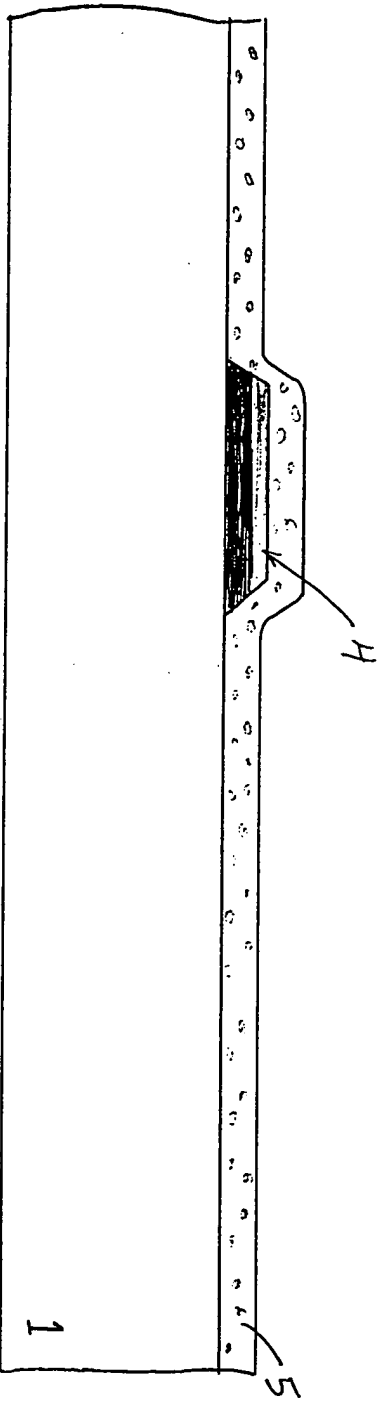


FIG. 5B

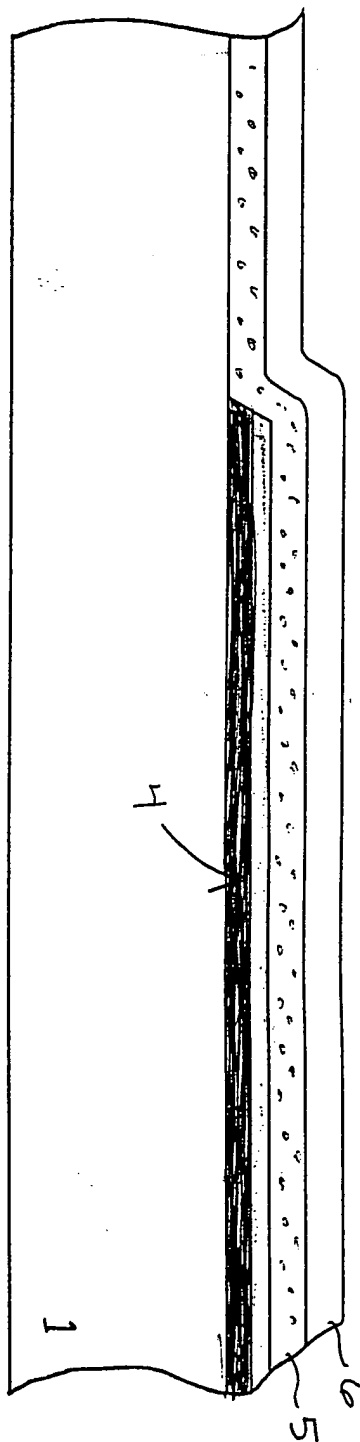


FIG. 6A

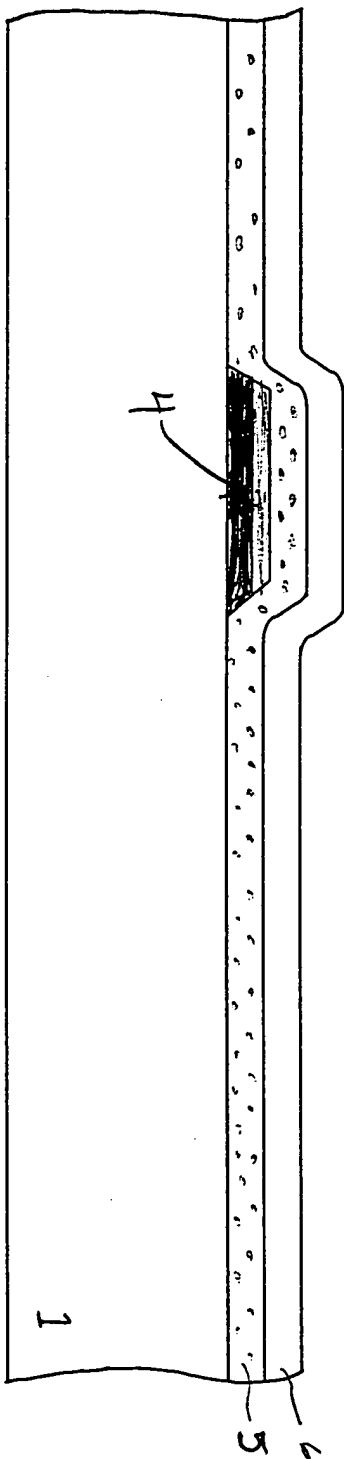


FIG. 6B

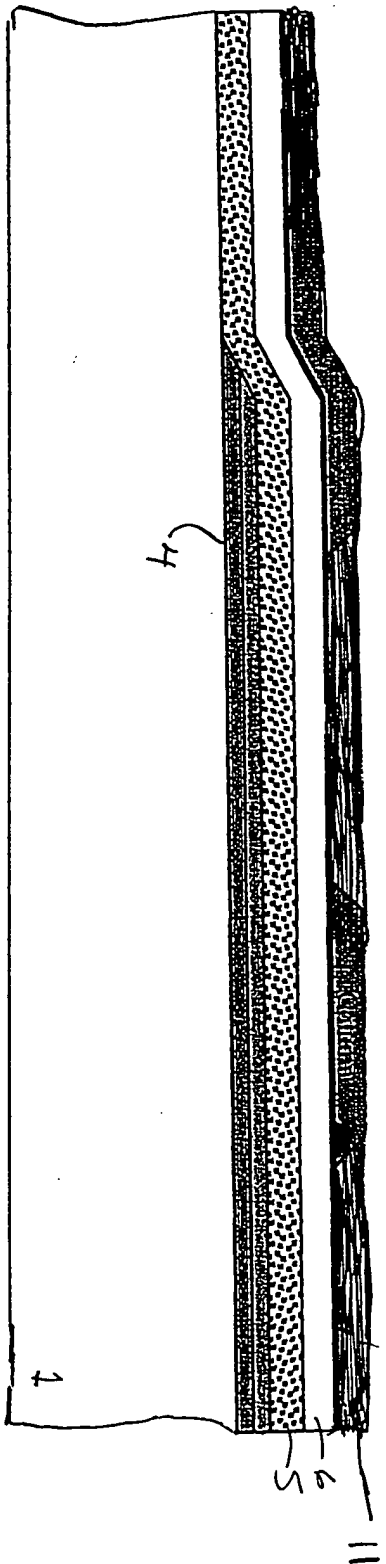


FIG. 7A

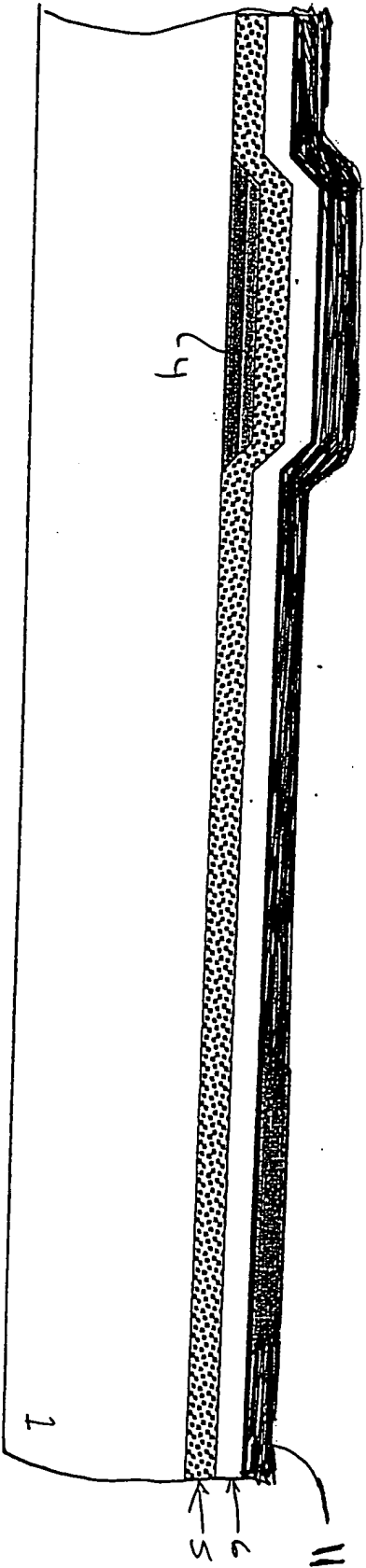


FIG. 7B

FIG. 7A and FIG. 7B are cross-sectional views of a multi-layered structure. The structure includes a top layer (11), a middle layer (4) with a stippled texture, and a bottom layer (1). A small gap or channel (5) is visible between the top and middle layers. The structure has a stepped profile on the right side.

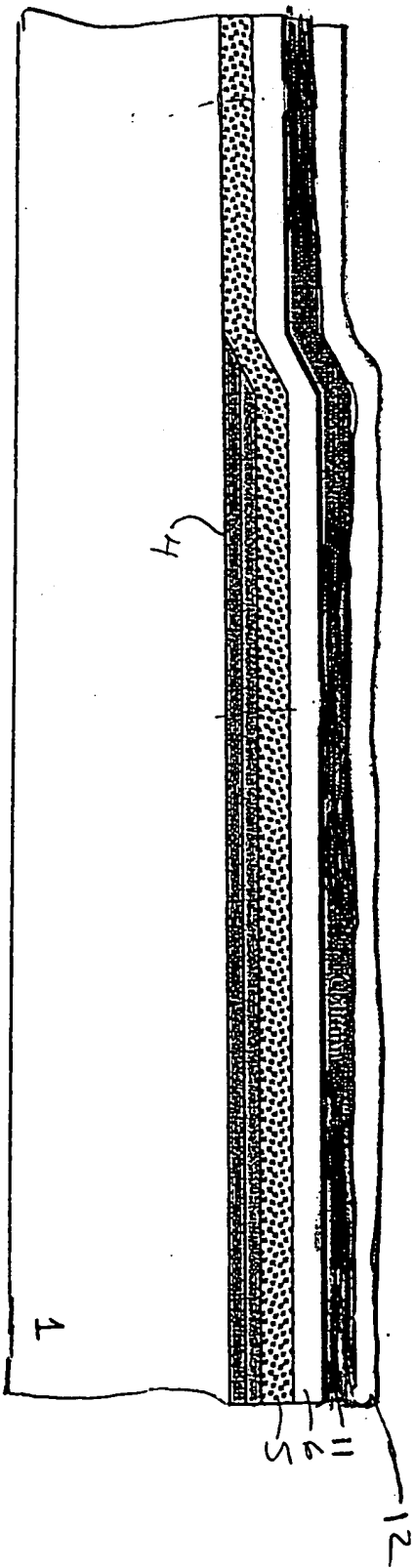


FIG. 8A

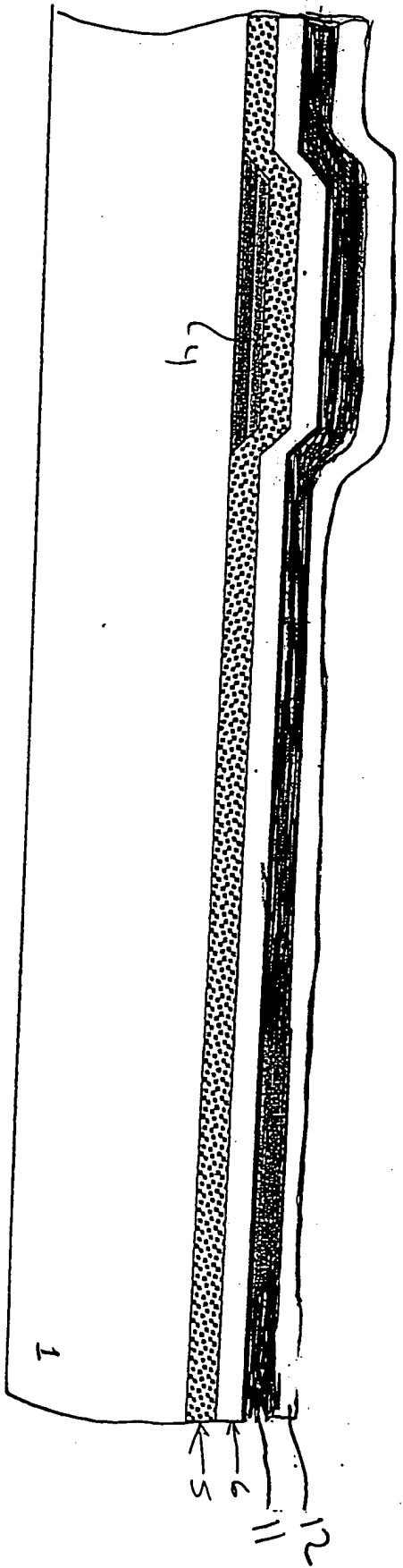


FIG. 8B



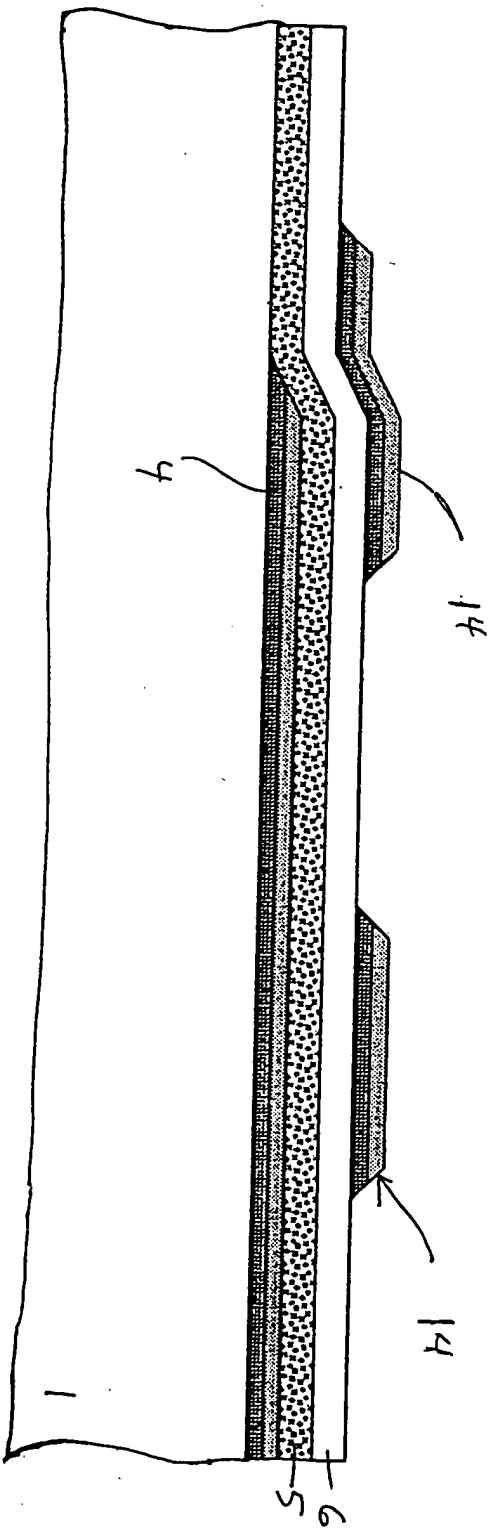


FIG. 9A

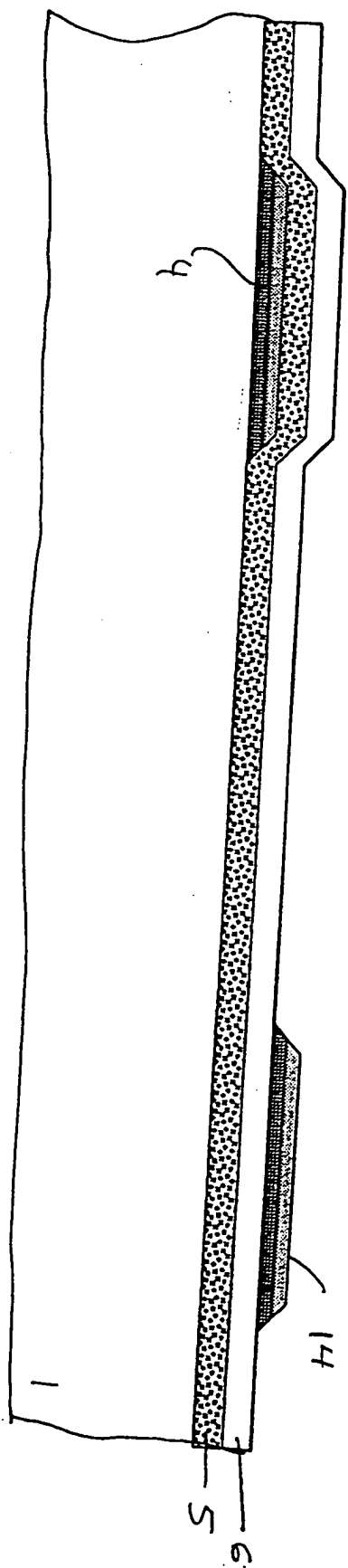


FIG. 9B

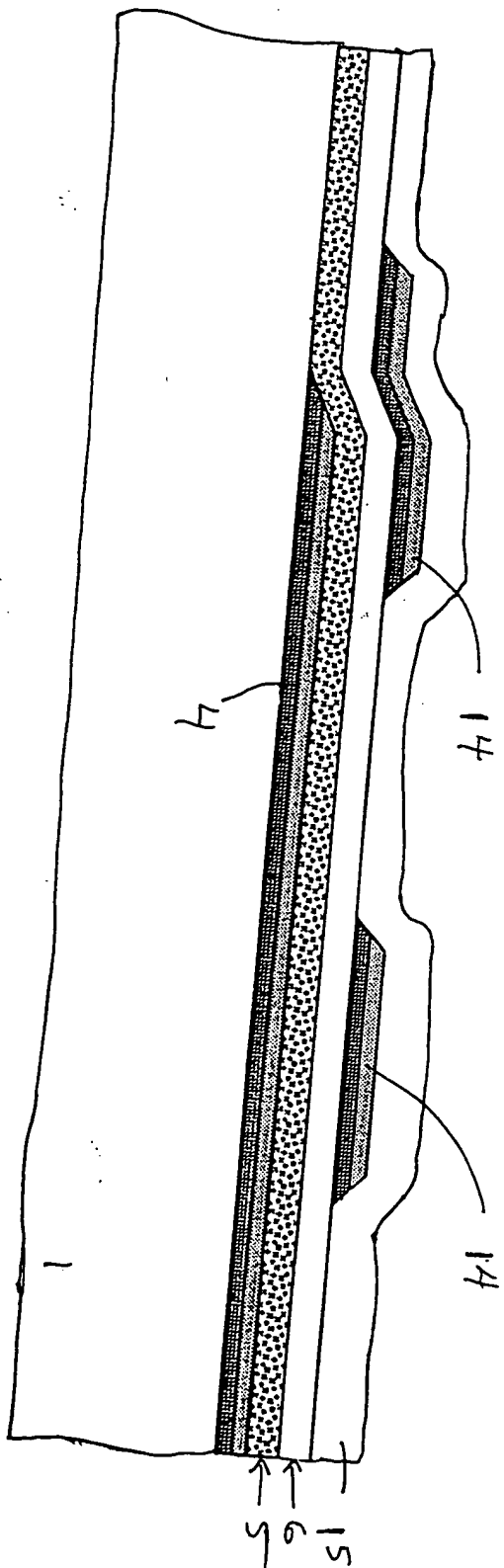


FIG. 10A

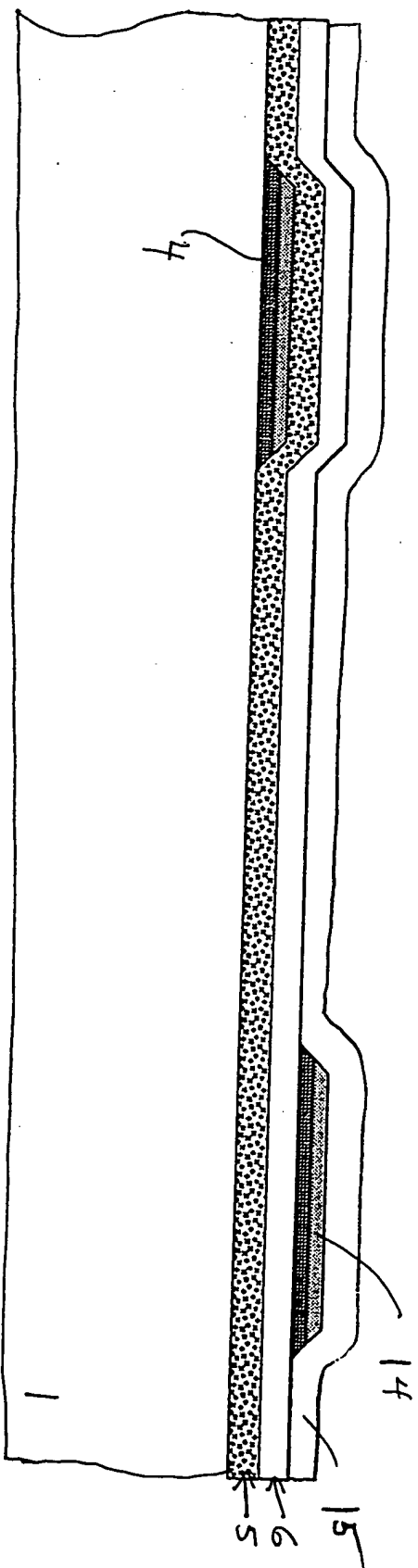


Fig. 10B

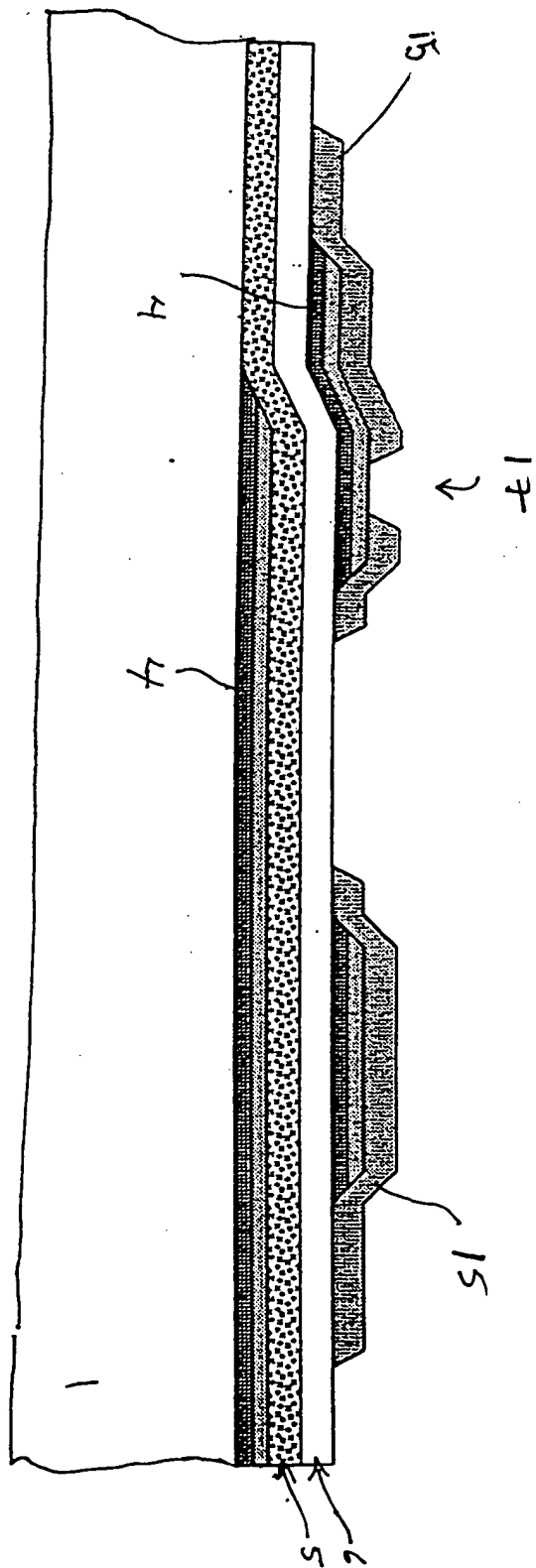


FIG. 11A

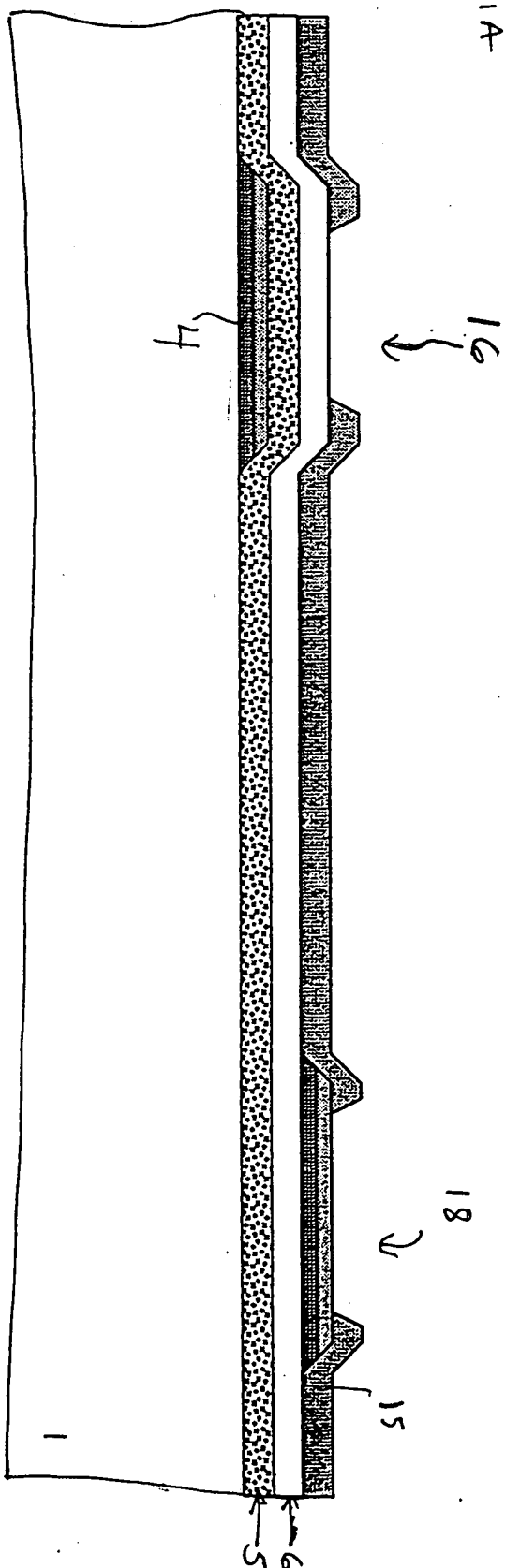


FIG. 11B

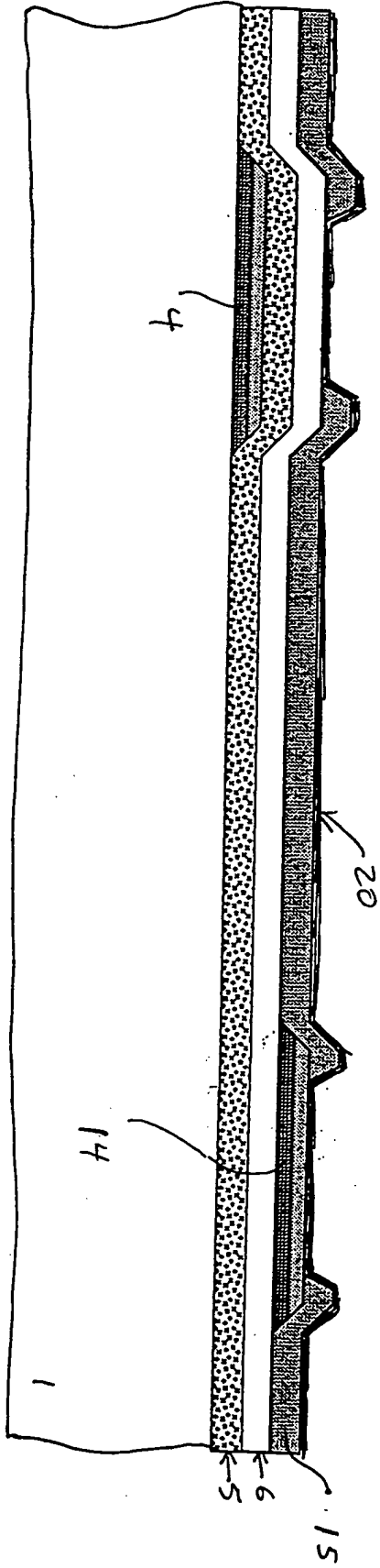
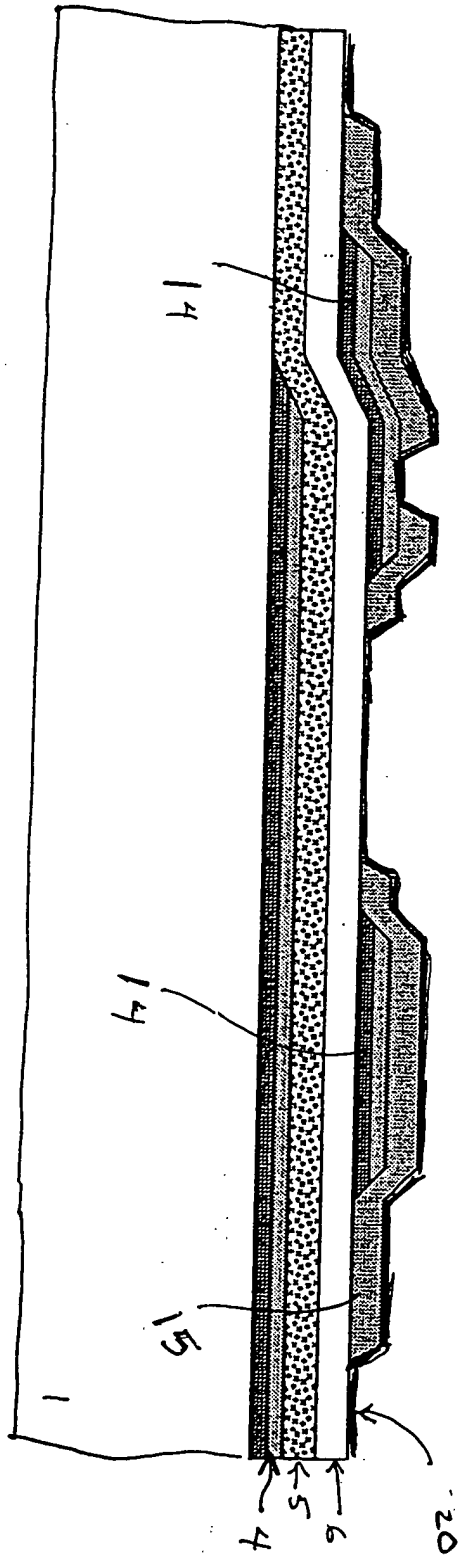


FIG. 12B



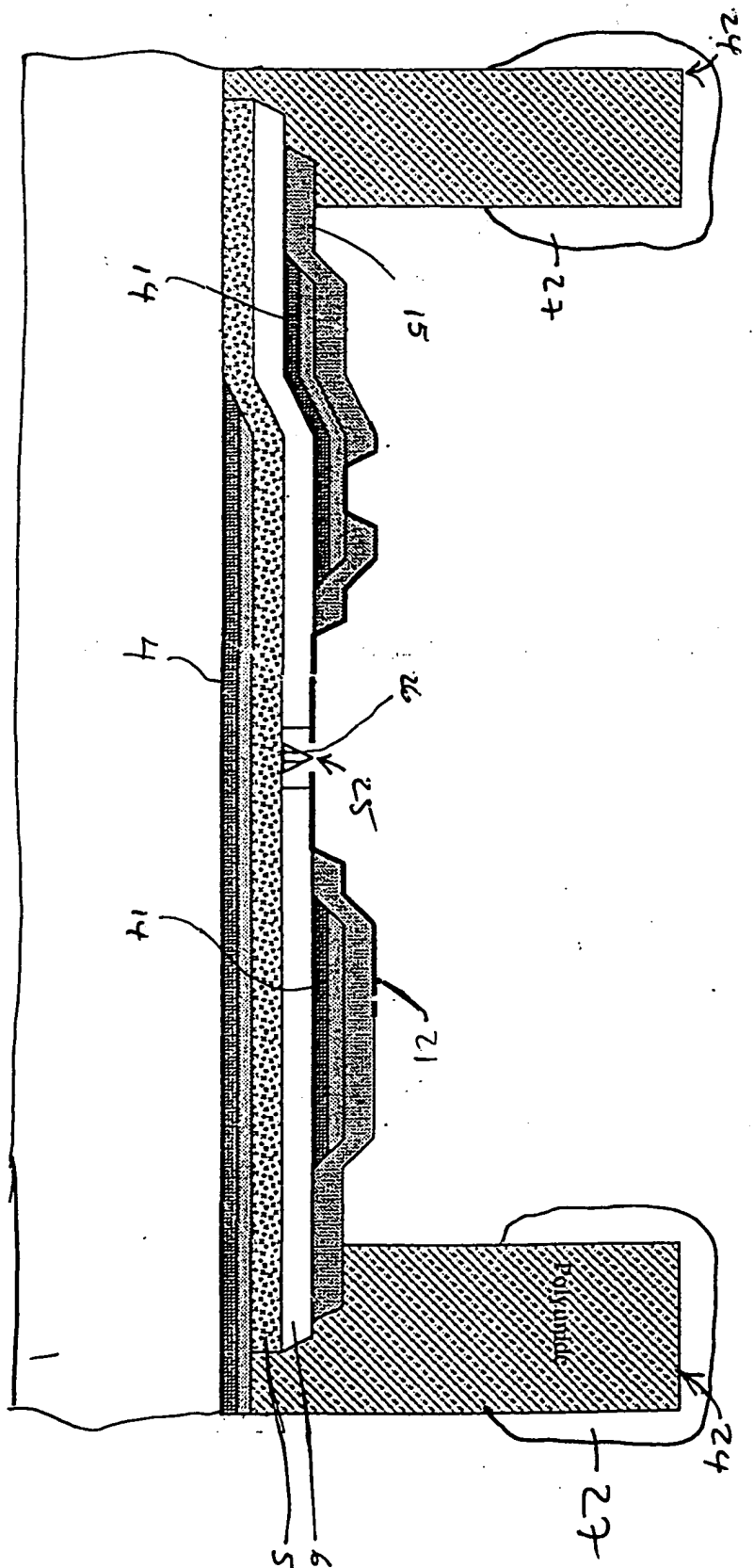


FIG. 14A

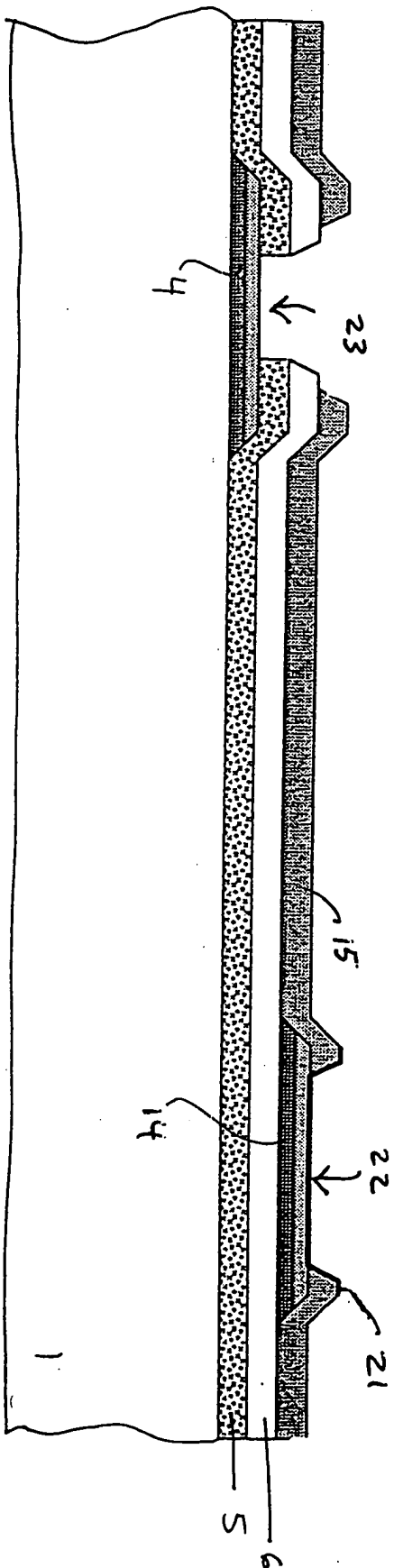


FIG. 14B

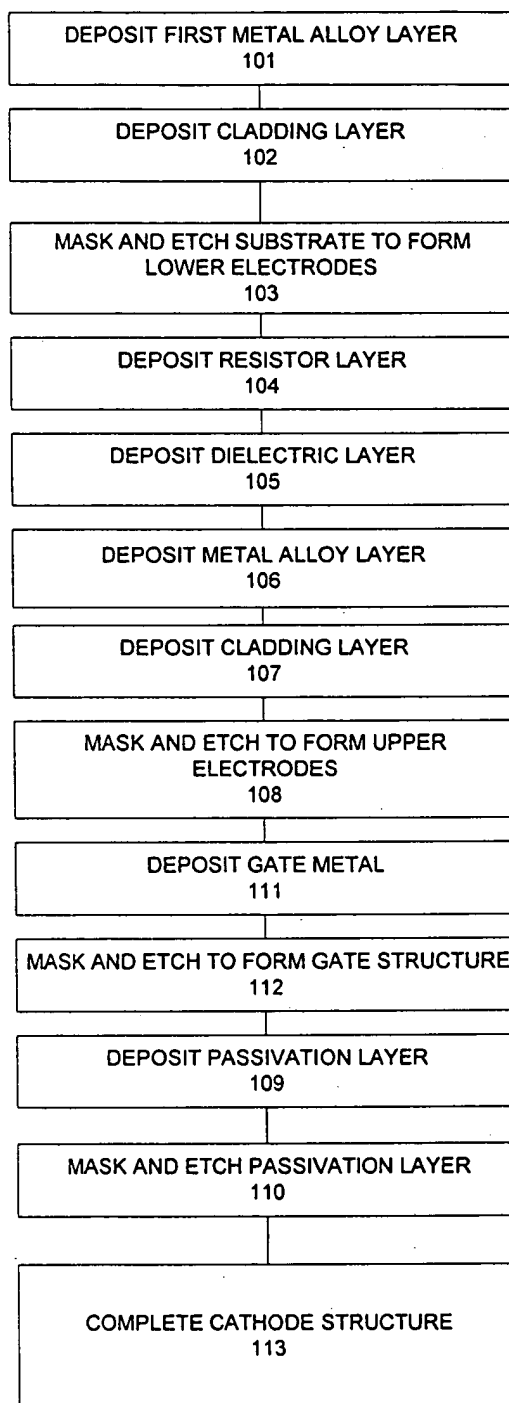


FIG. 15

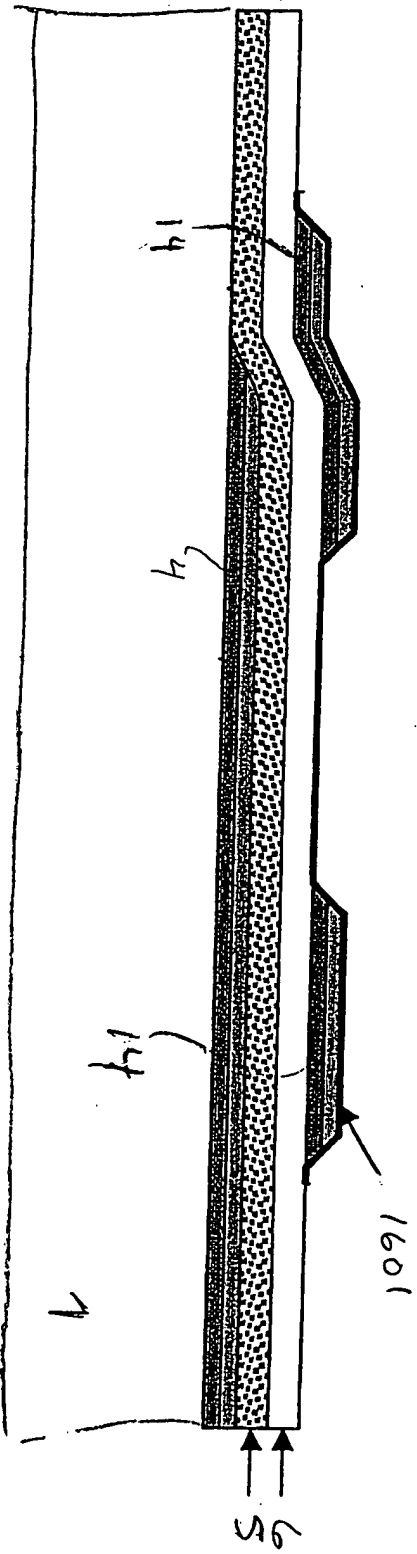


FIG. 16A

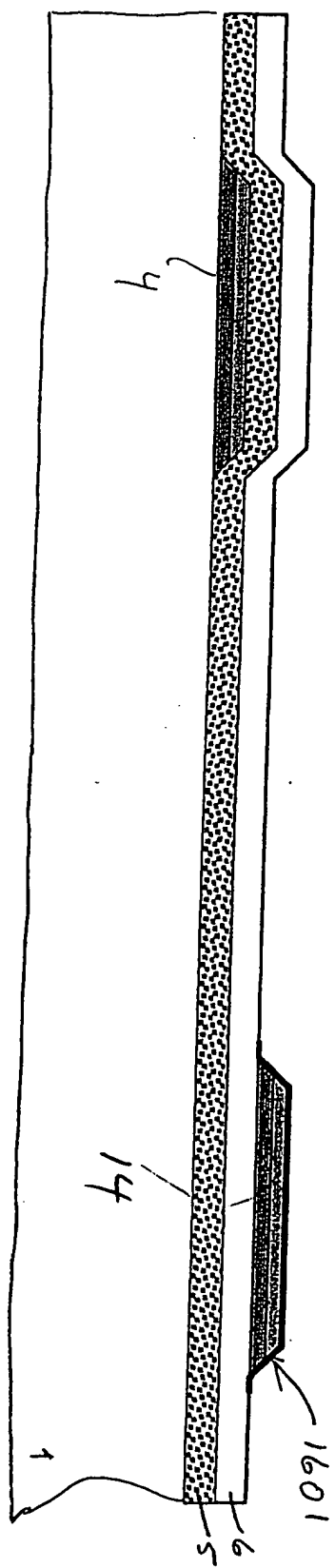


FIG. 16B



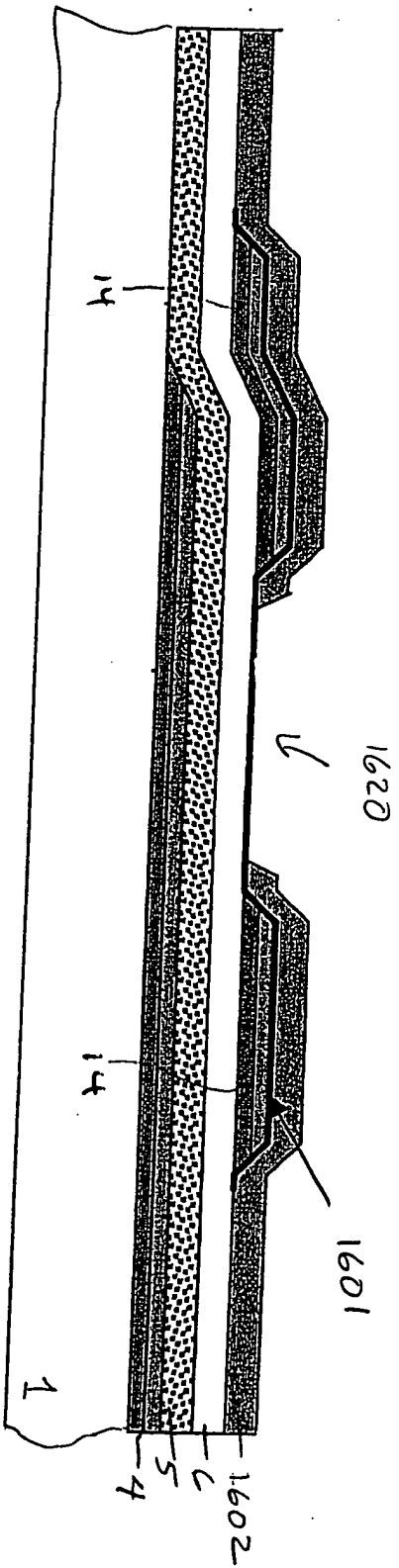


FIG. 16C

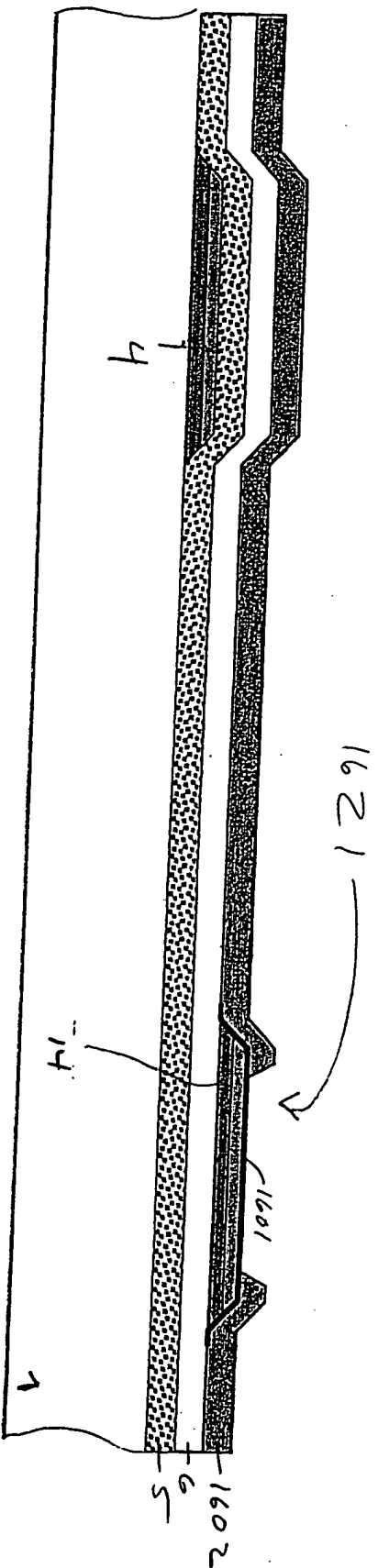


FIG. 16D

FIG. 16E

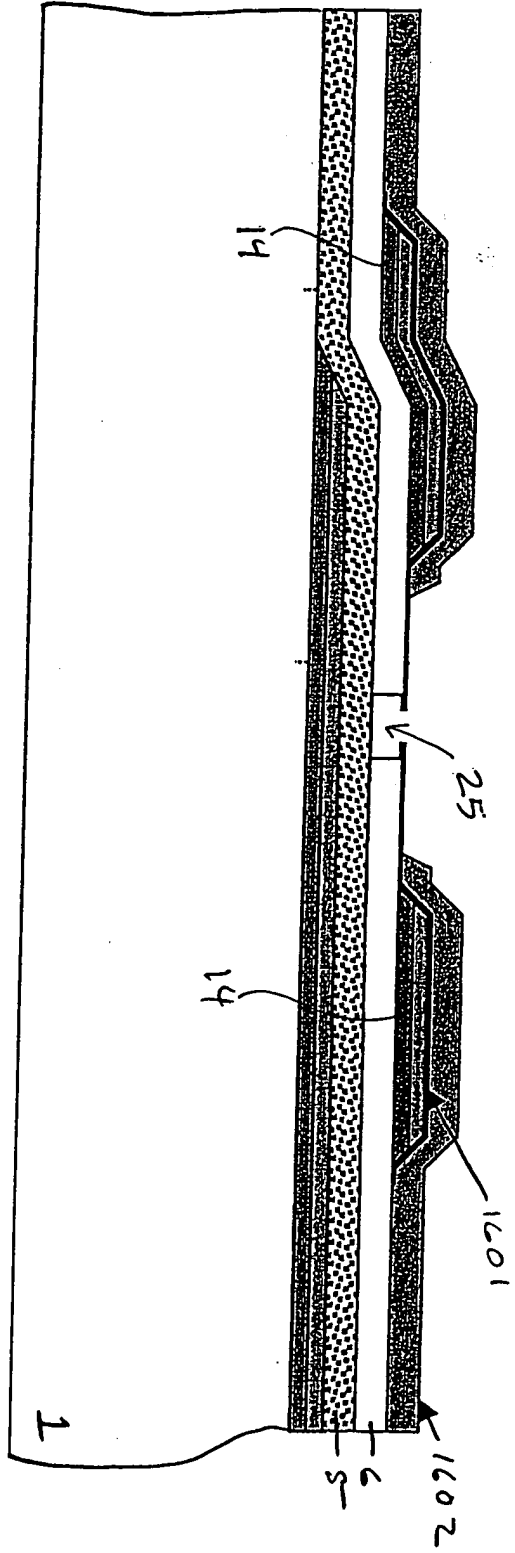


FIG. 16F

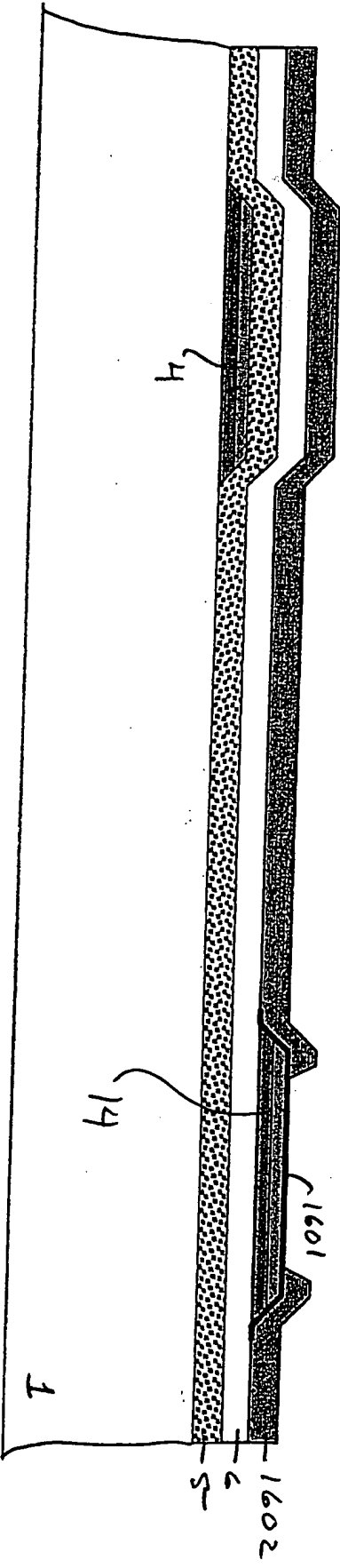


FIG 16G

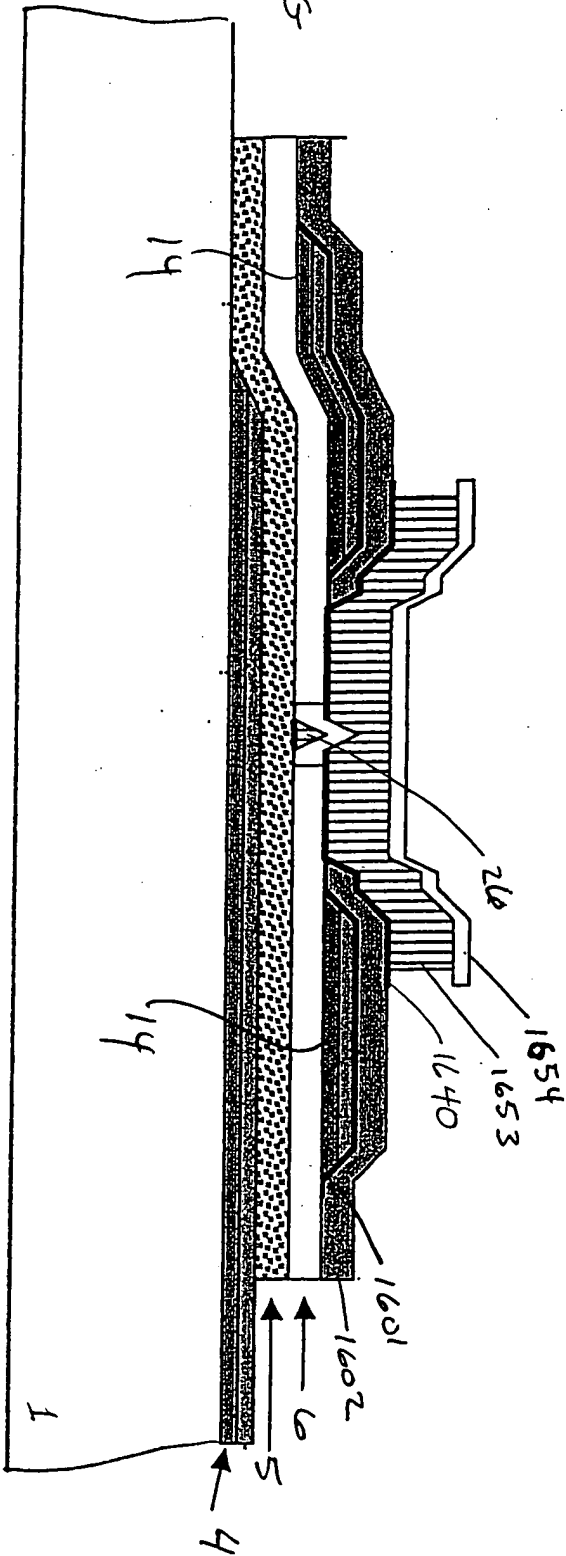


FIG 16H

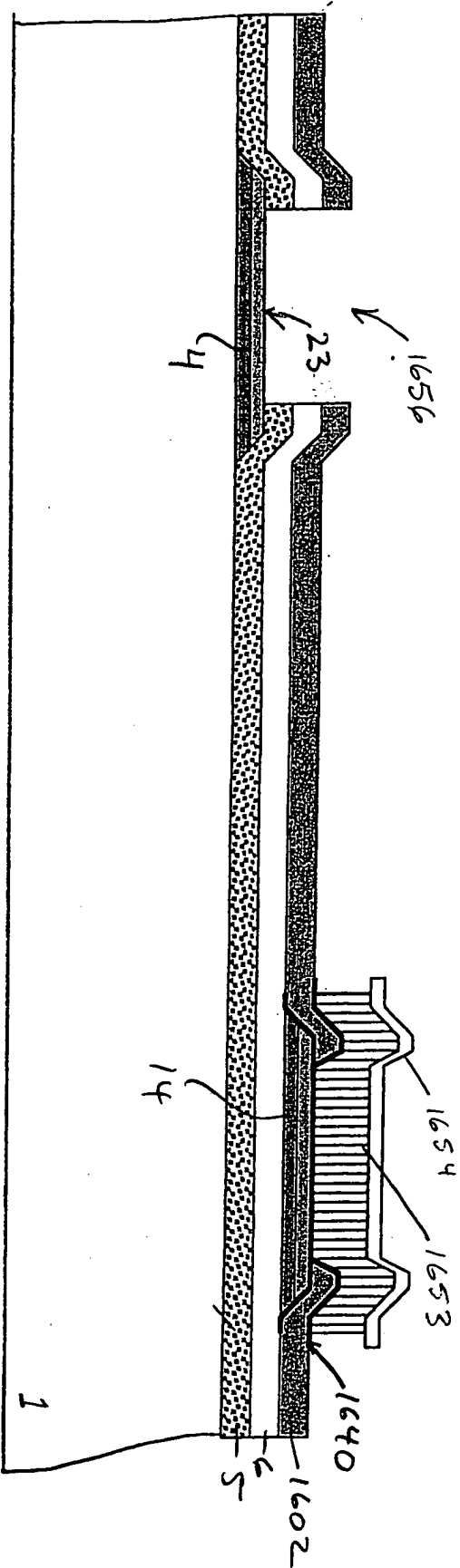


FIG 16 I

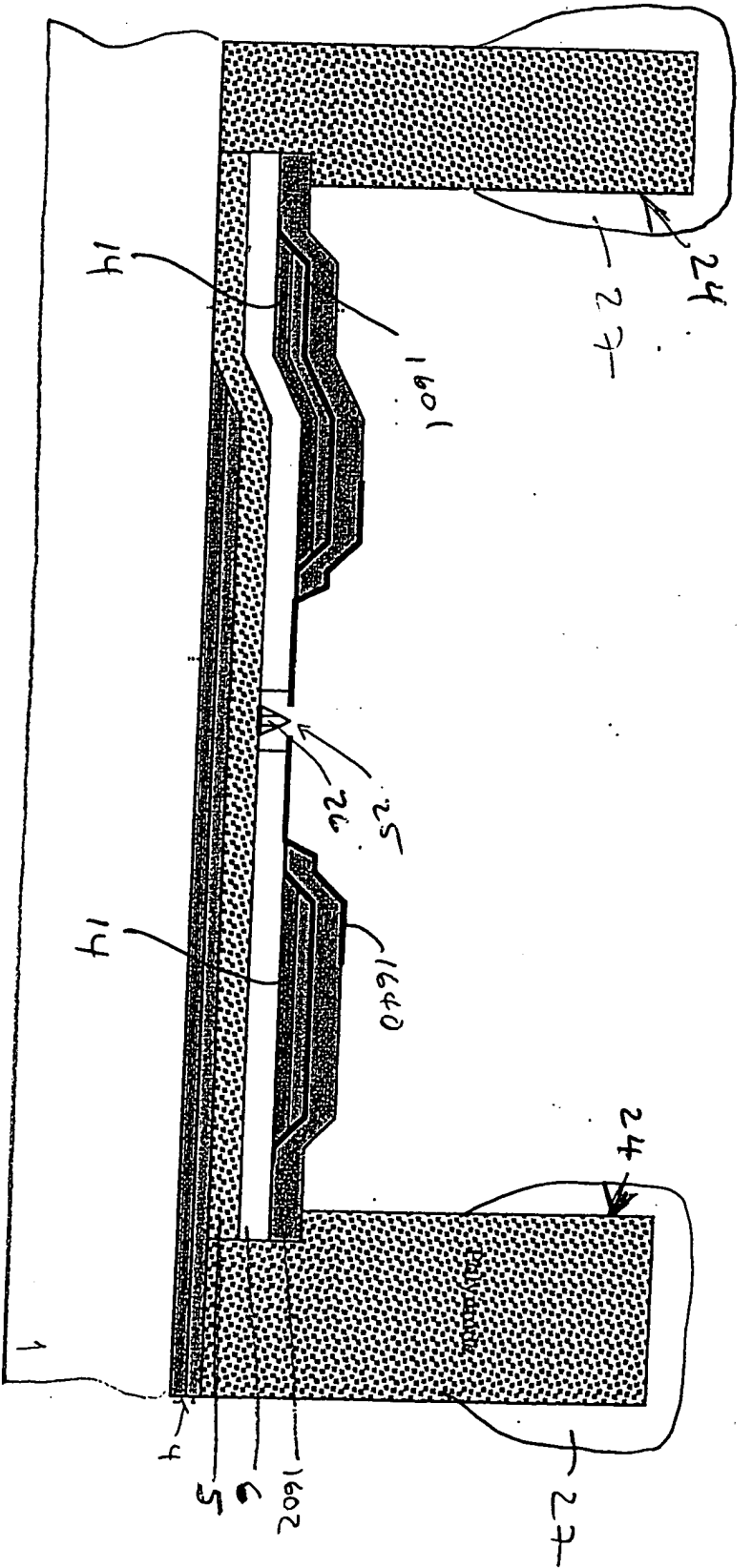
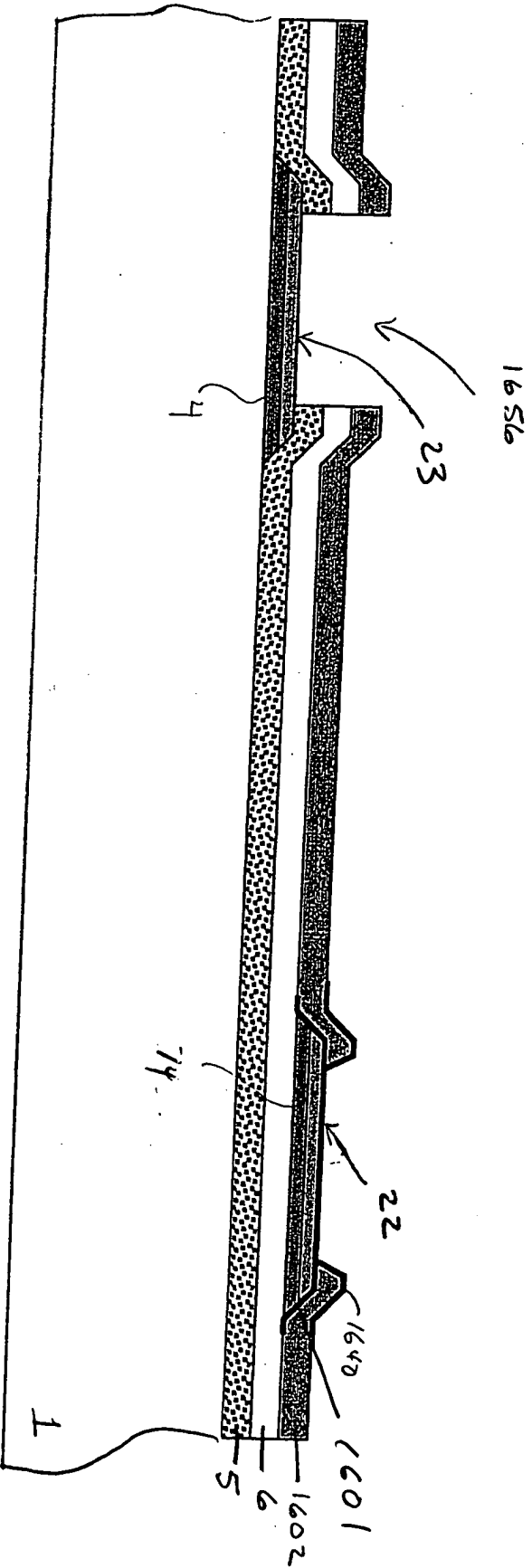


FIG 16 J



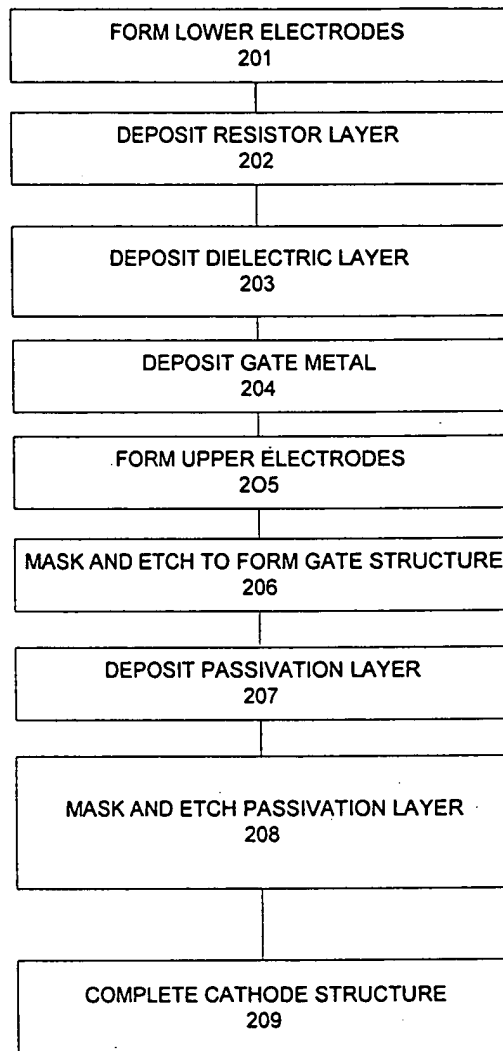


FIG. 17

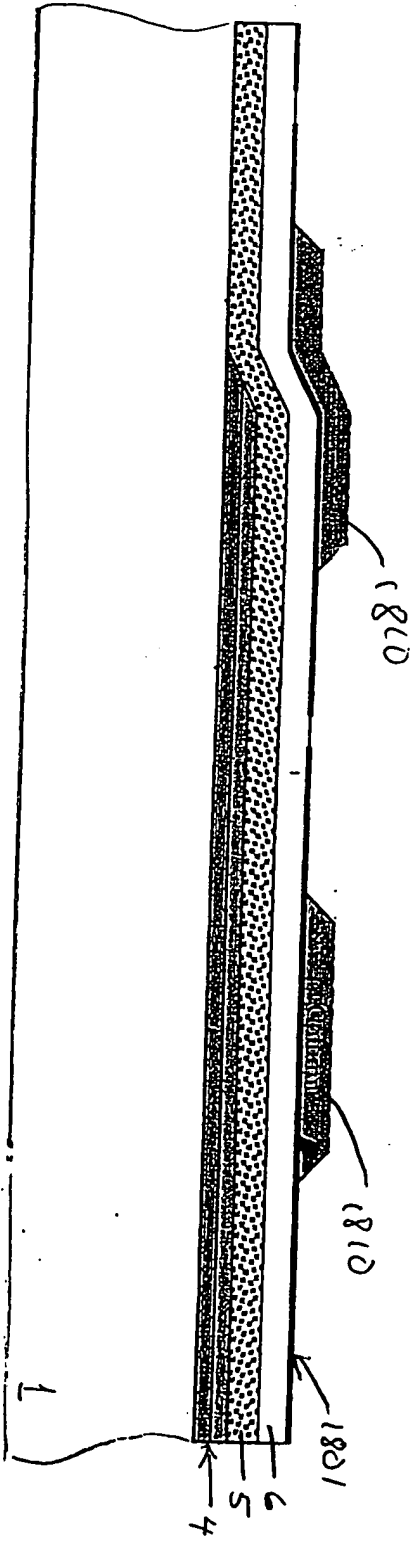


FIG 18A

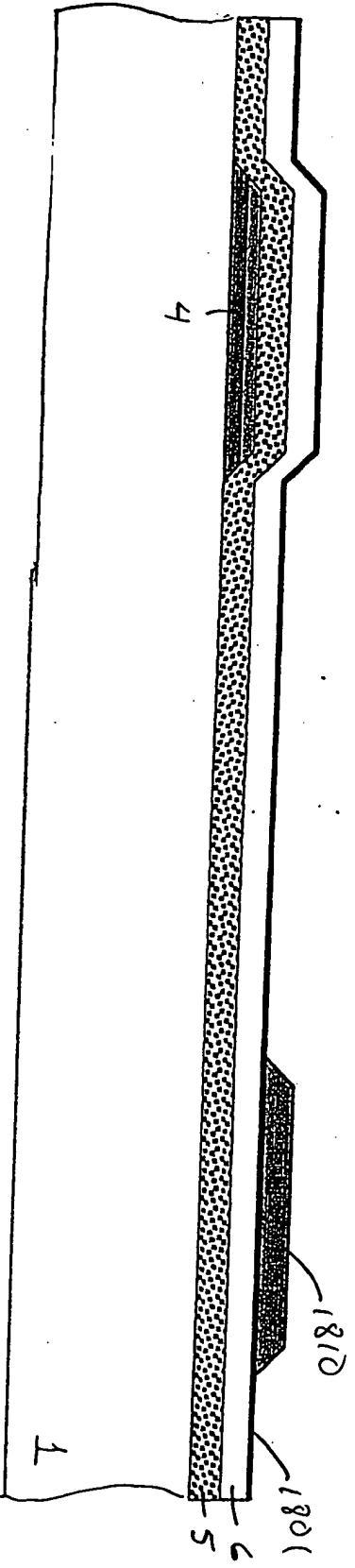


FIG 18B

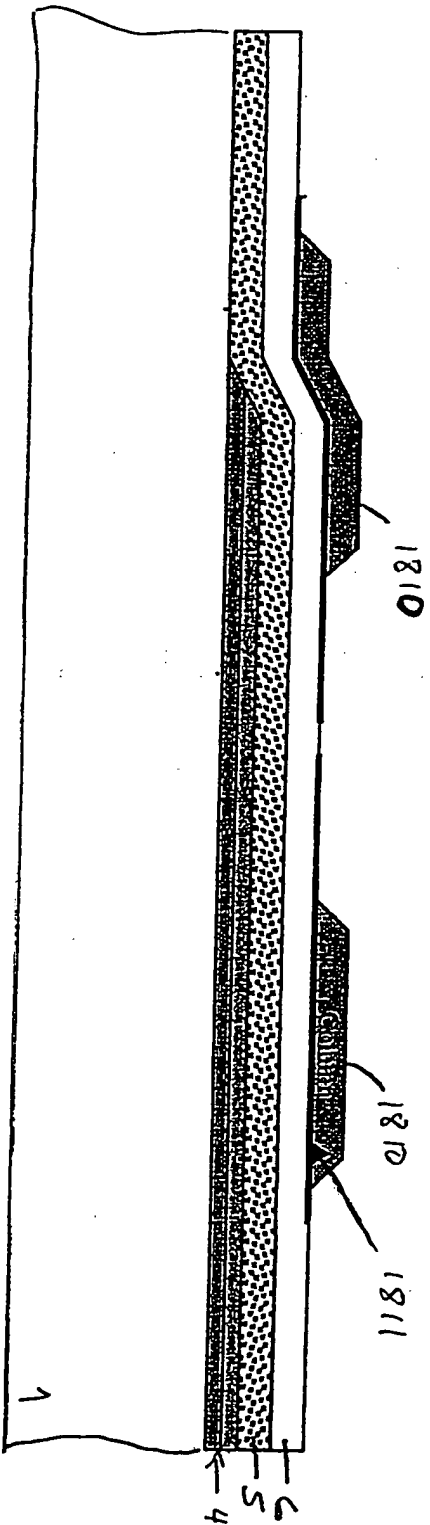


FIG. 18C

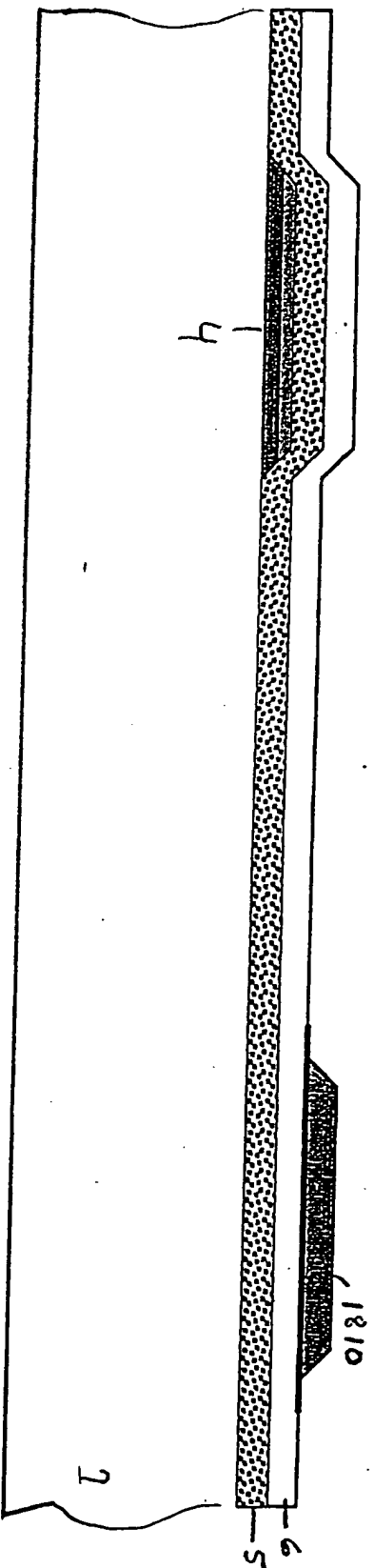


FIG. 18D

18C

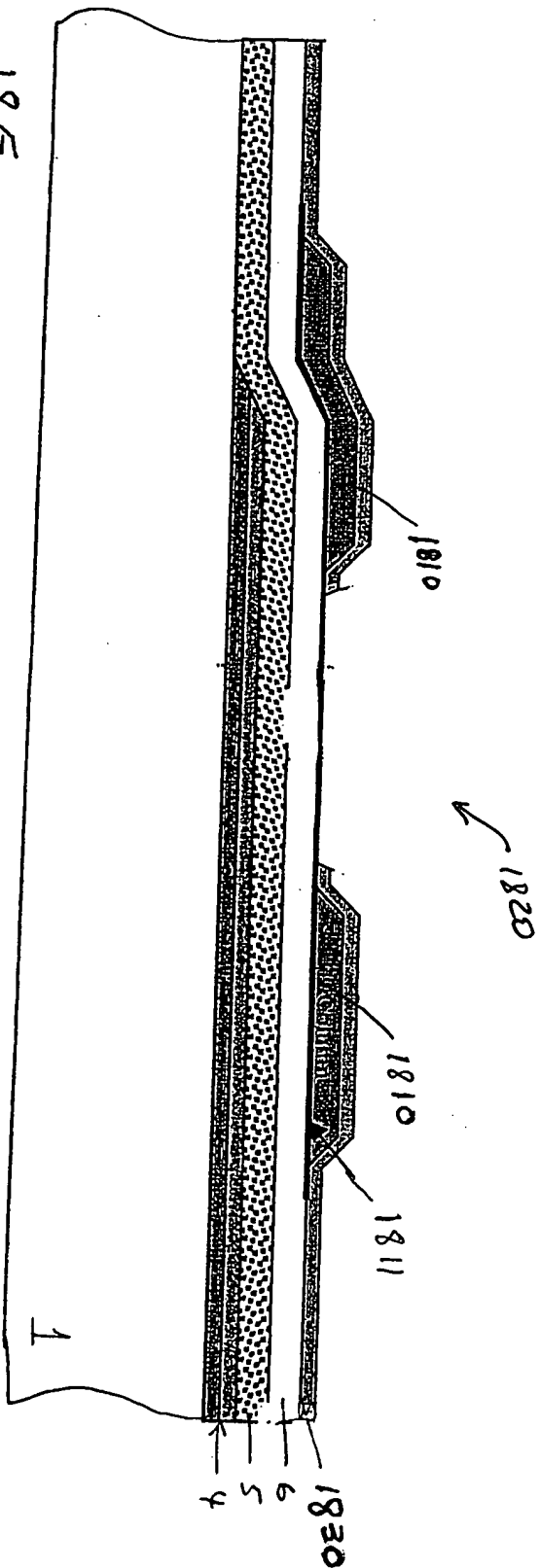


FIG. 18F

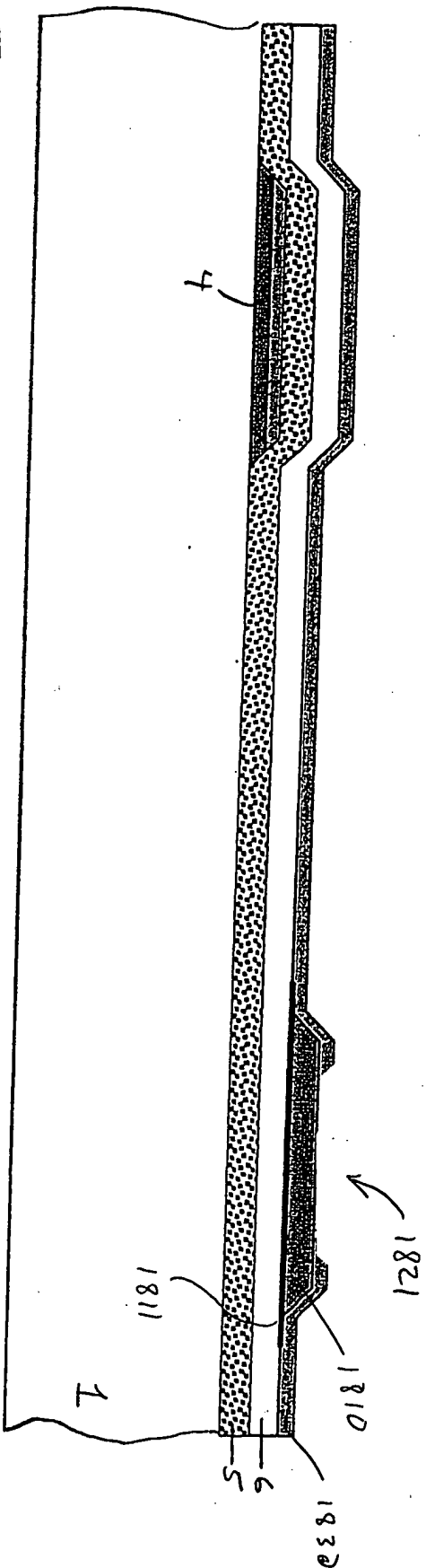




FIG 18G

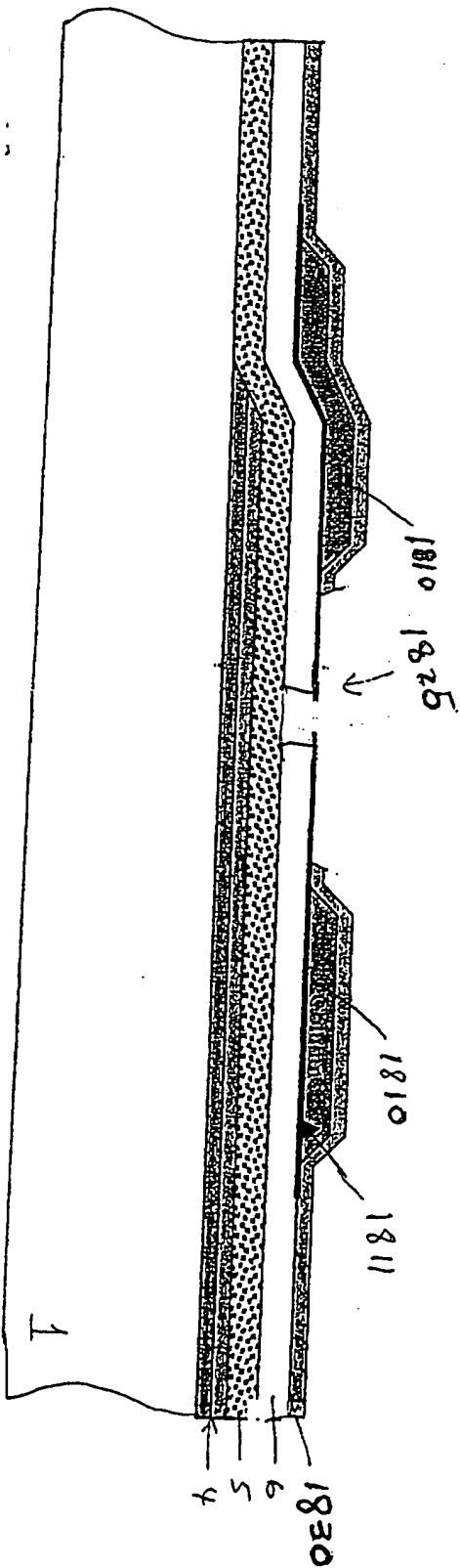
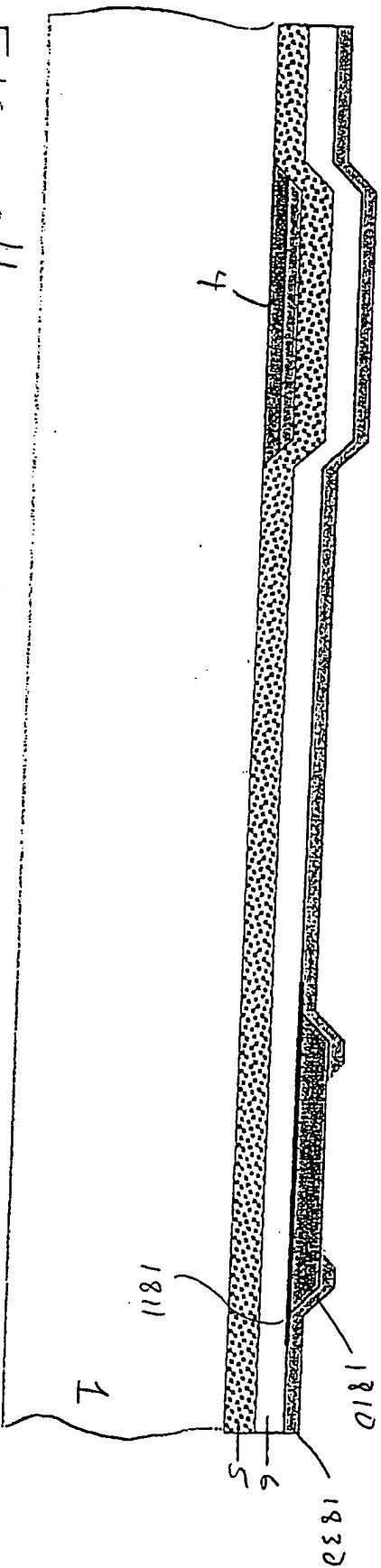
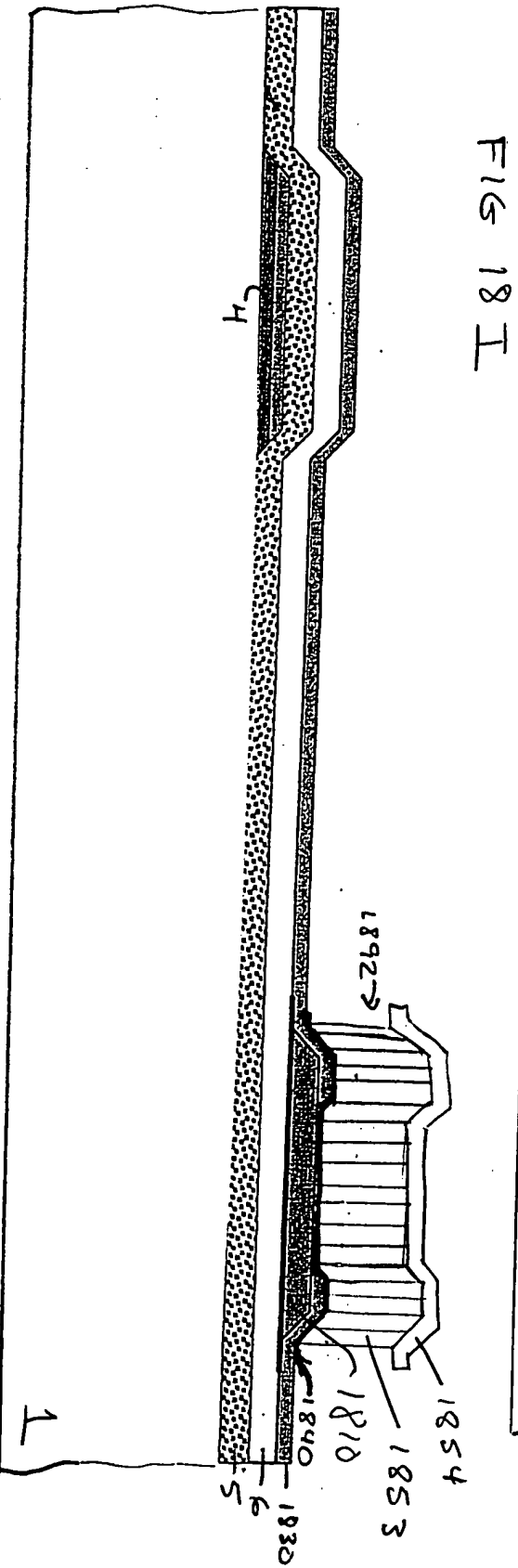
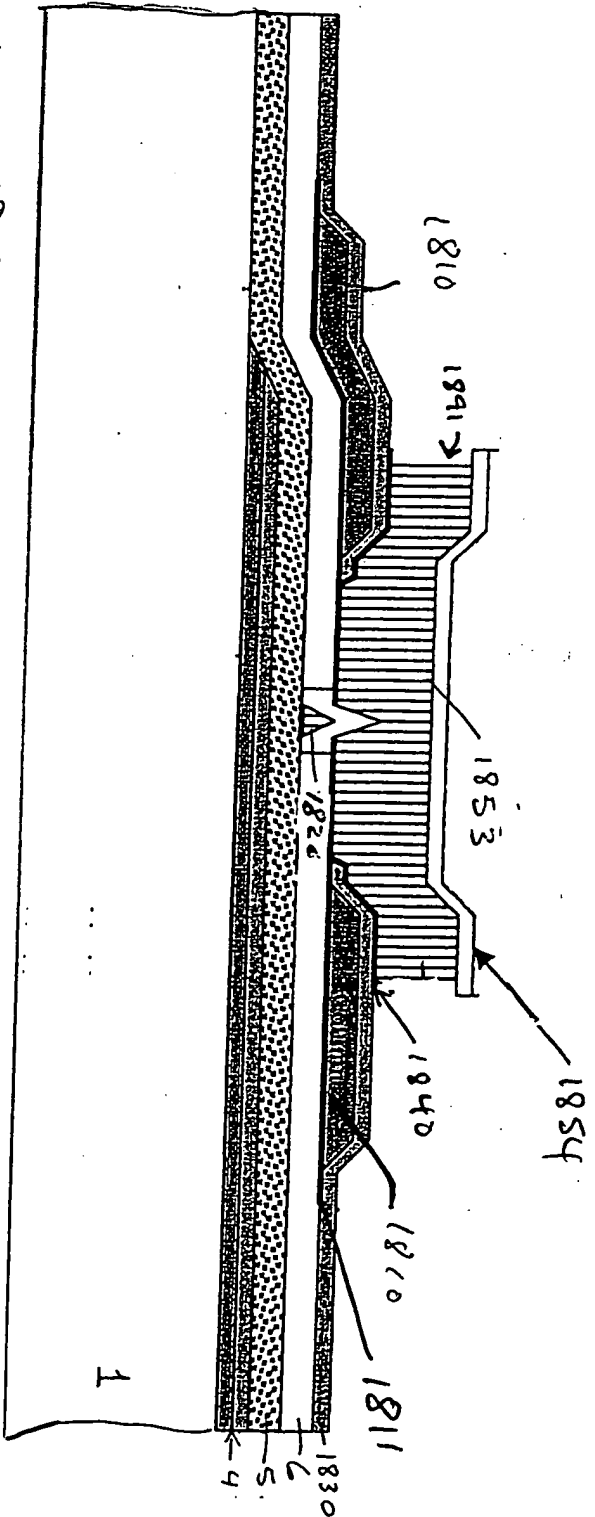
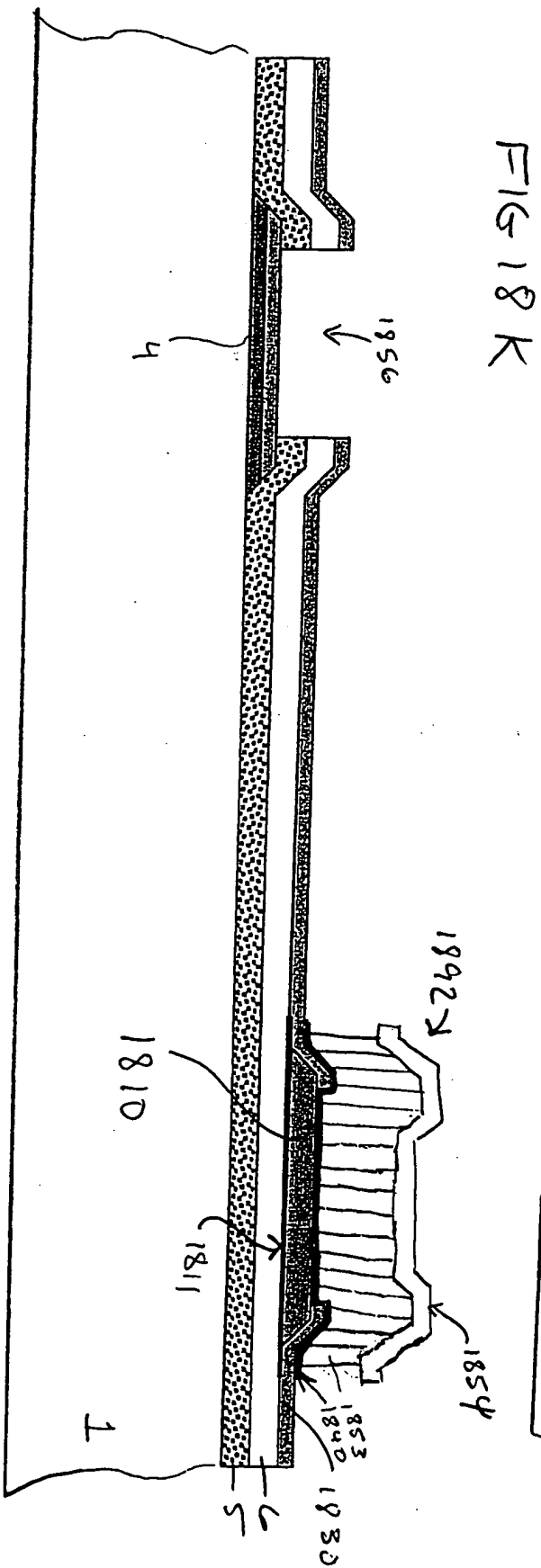
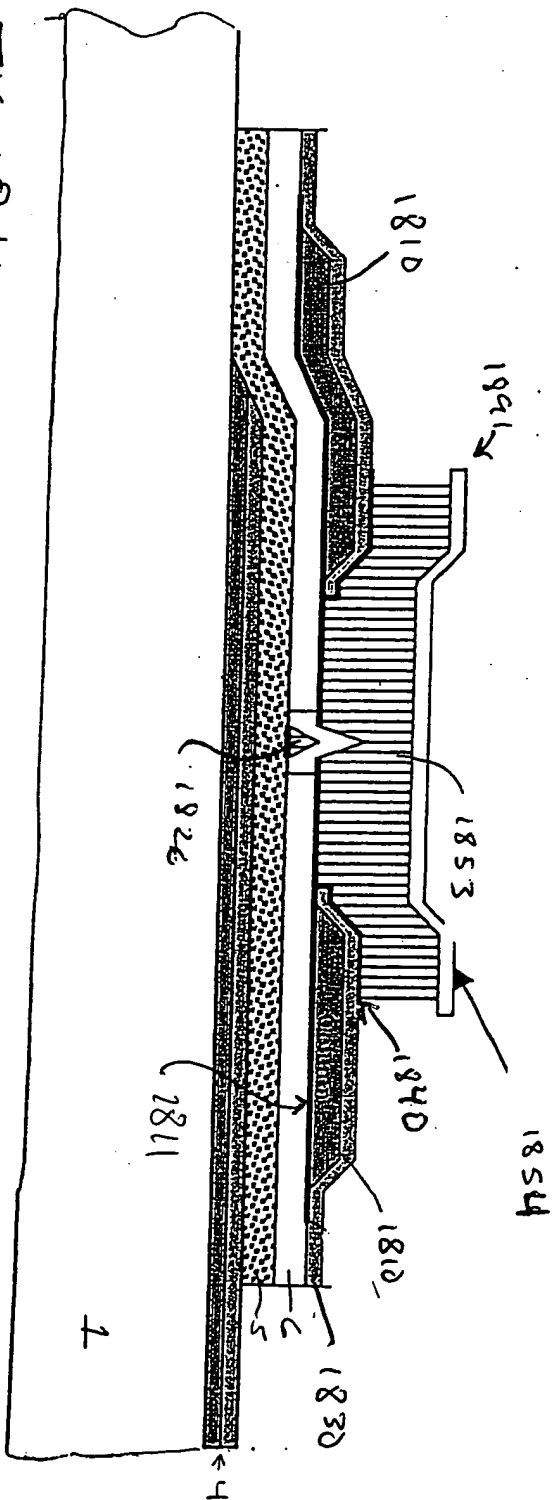


FIG. 18H







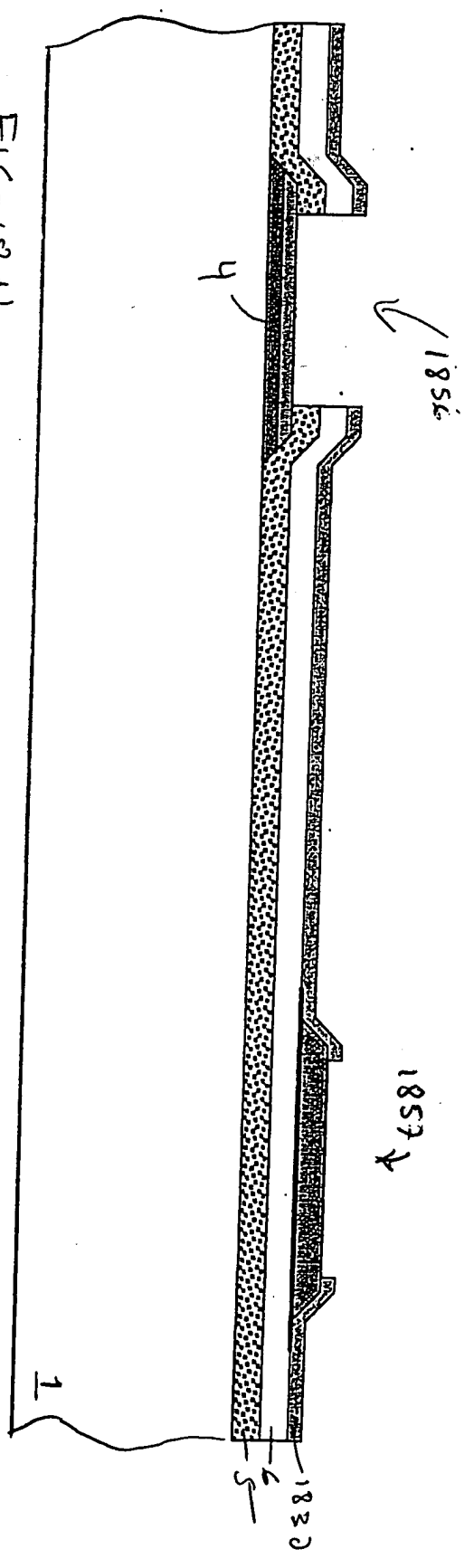
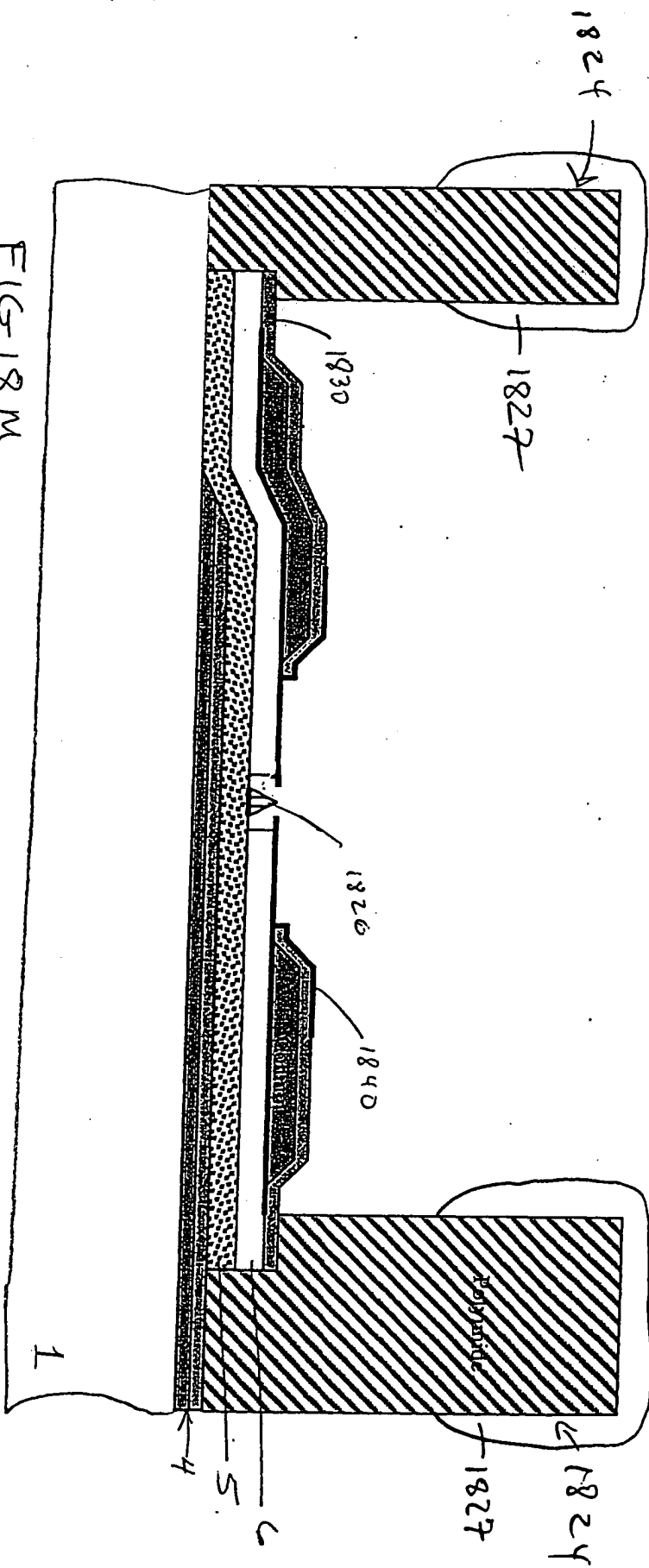


FIG 18M and FIG 18N are schematic cross-sectional views of a device assembly. The device assembly includes a substrate 1826, a textured surface 1840, and a layer 1830. The device assembly is shown in a cross-sectional view, with the substrate 1826 and the textured surface 1840 being the main components. The layer 1830 is shown as a thin layer on the substrate 1826. The device assembly is labeled 1.

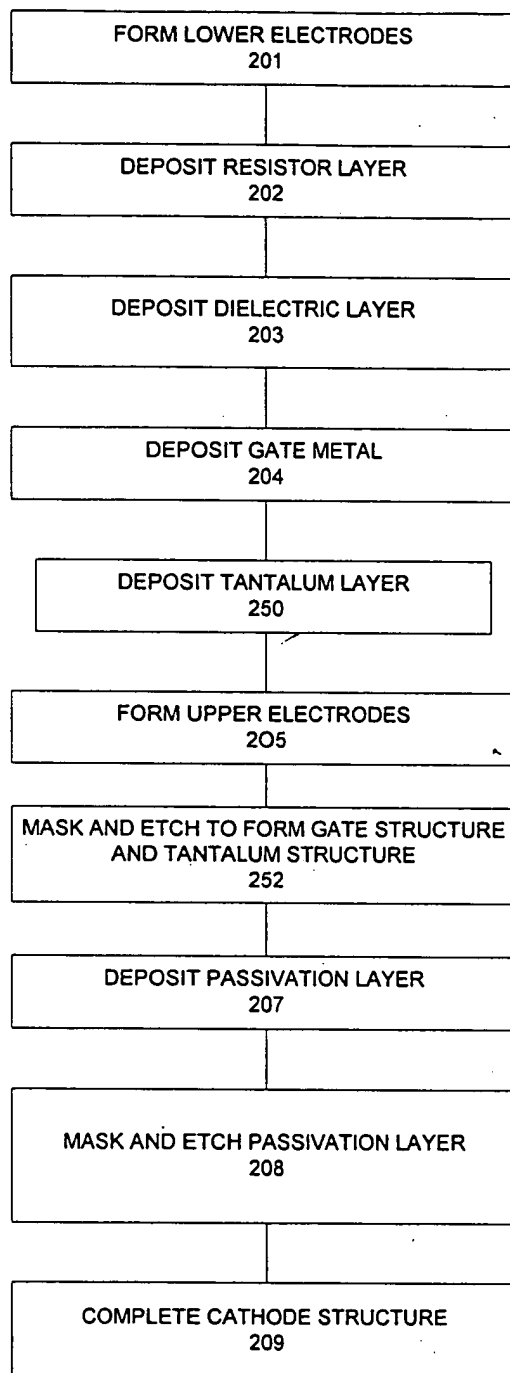


FIG. 19

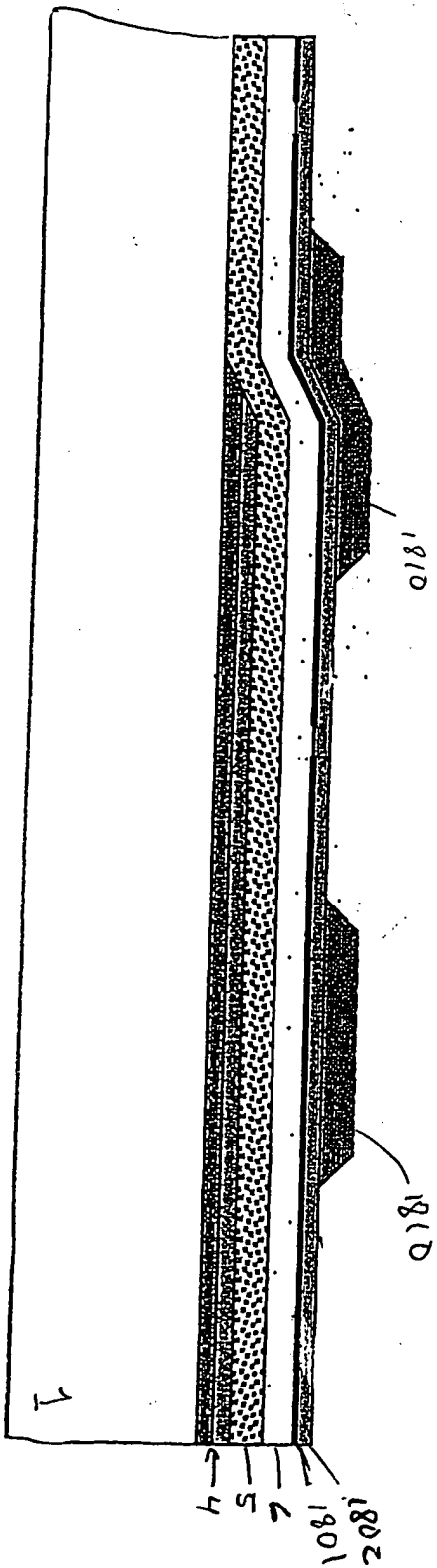
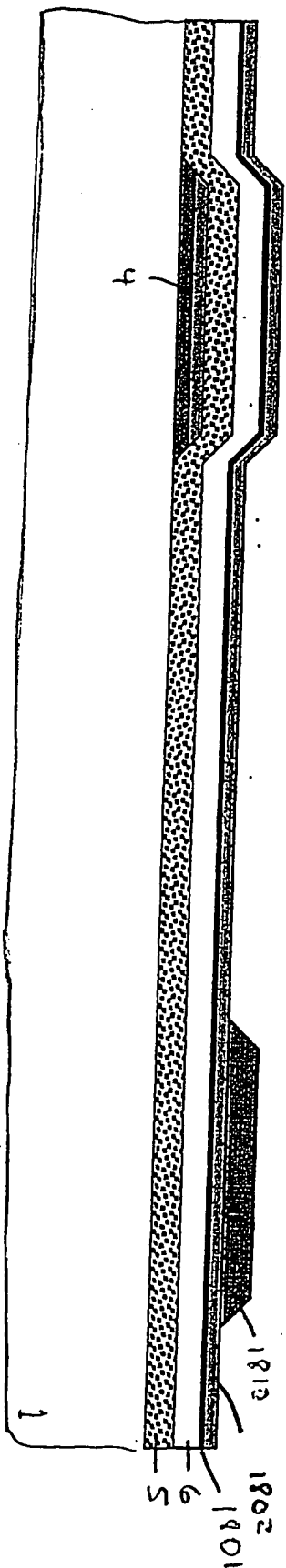


FIG. 20A



#15, 20B

FIG. 20C

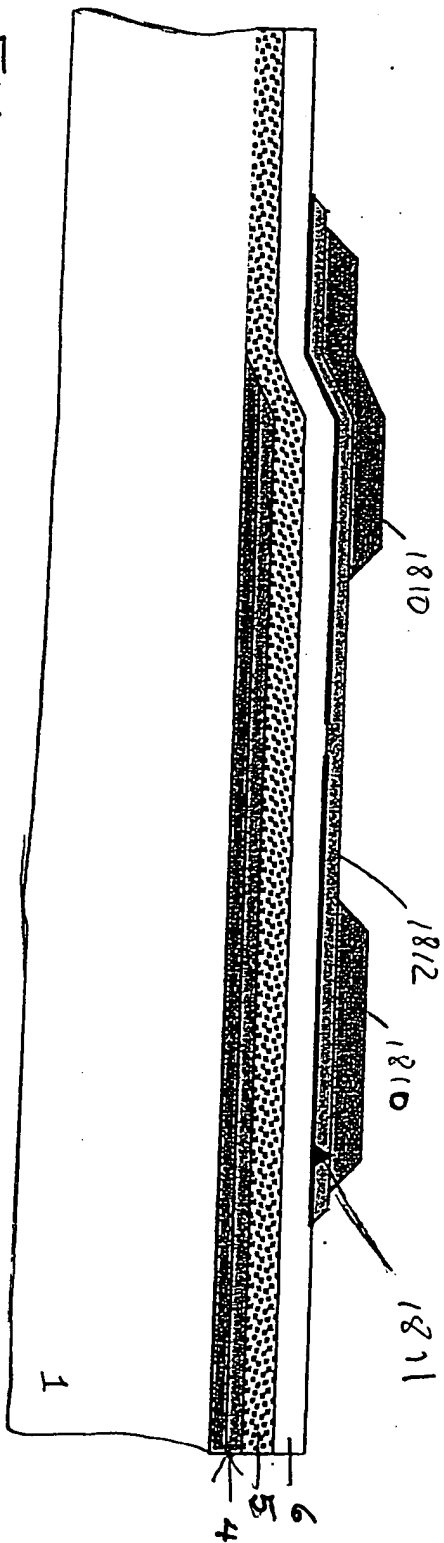
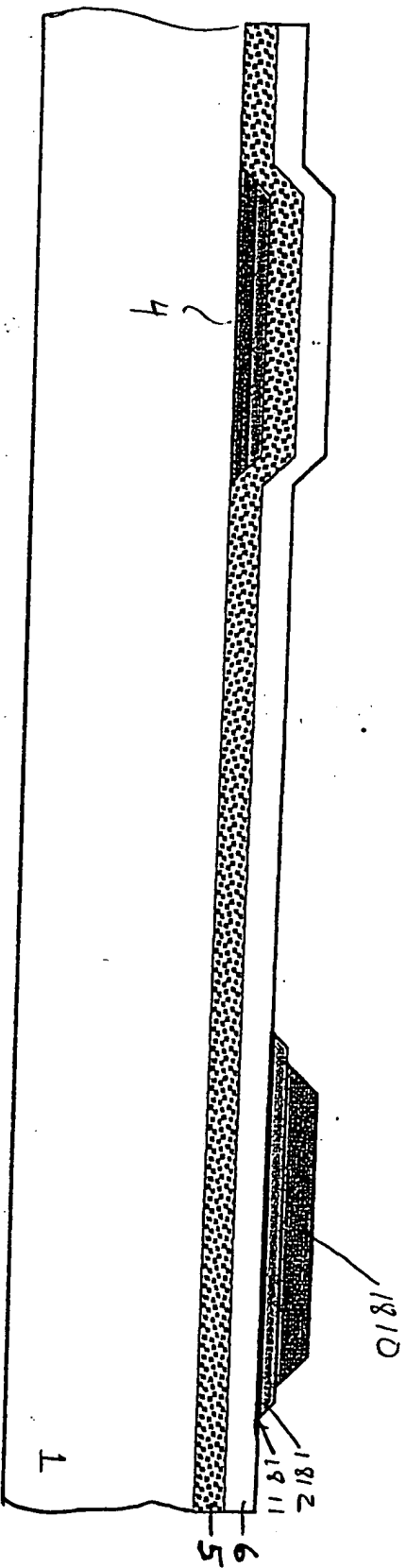


FIG. 20D



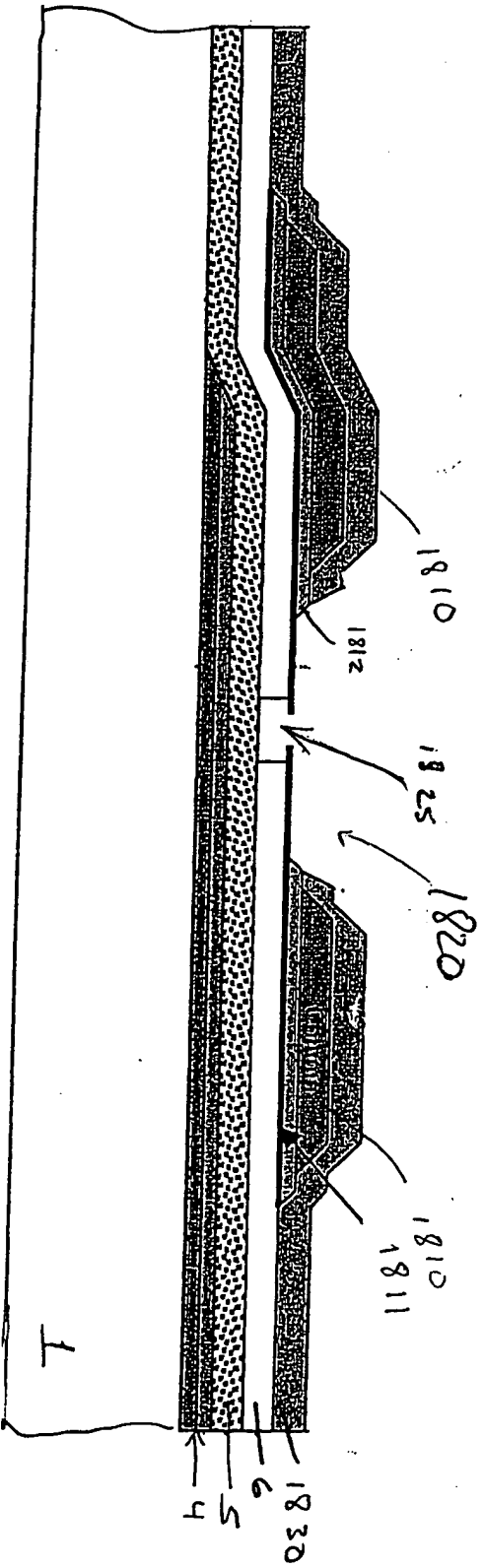


FIG 20E

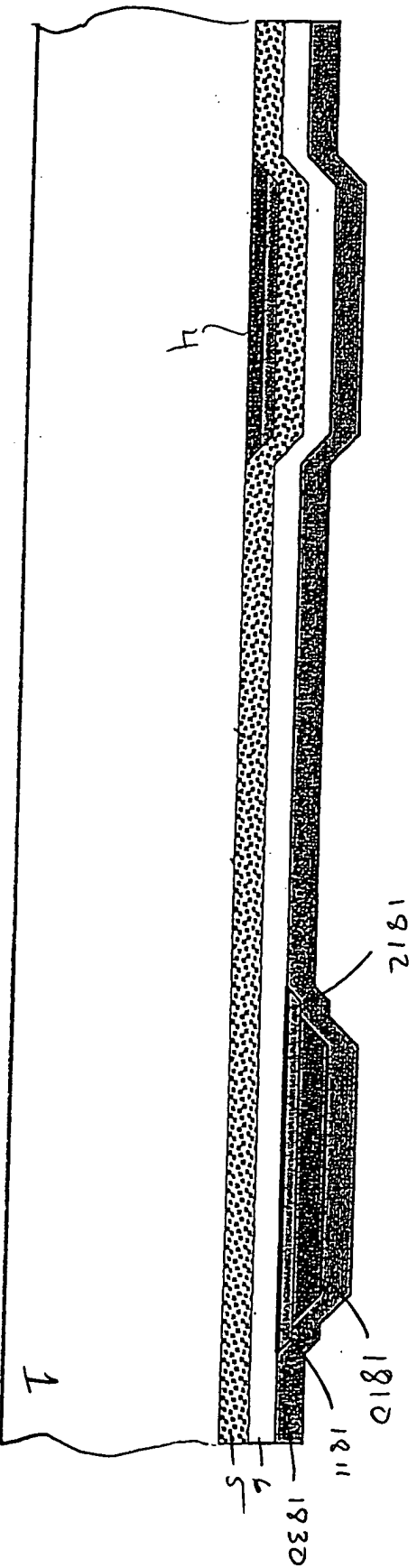


FIG 20F



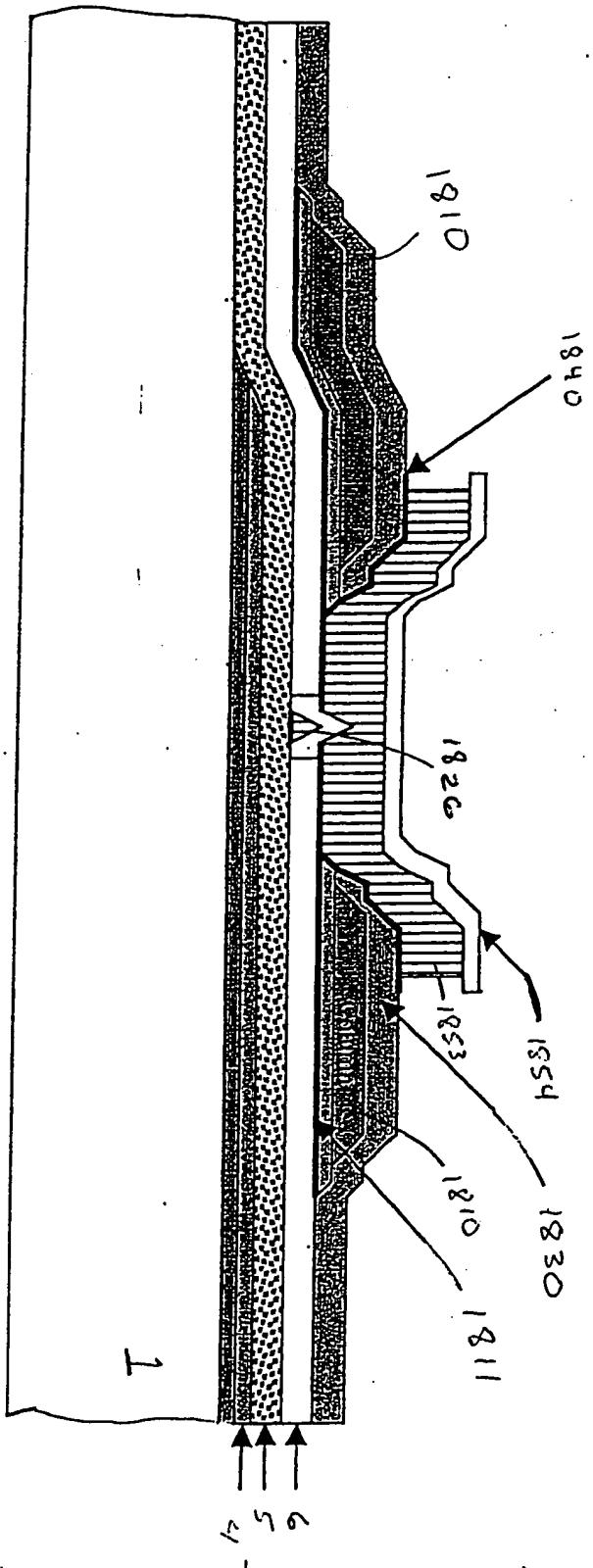


FIG. 20G

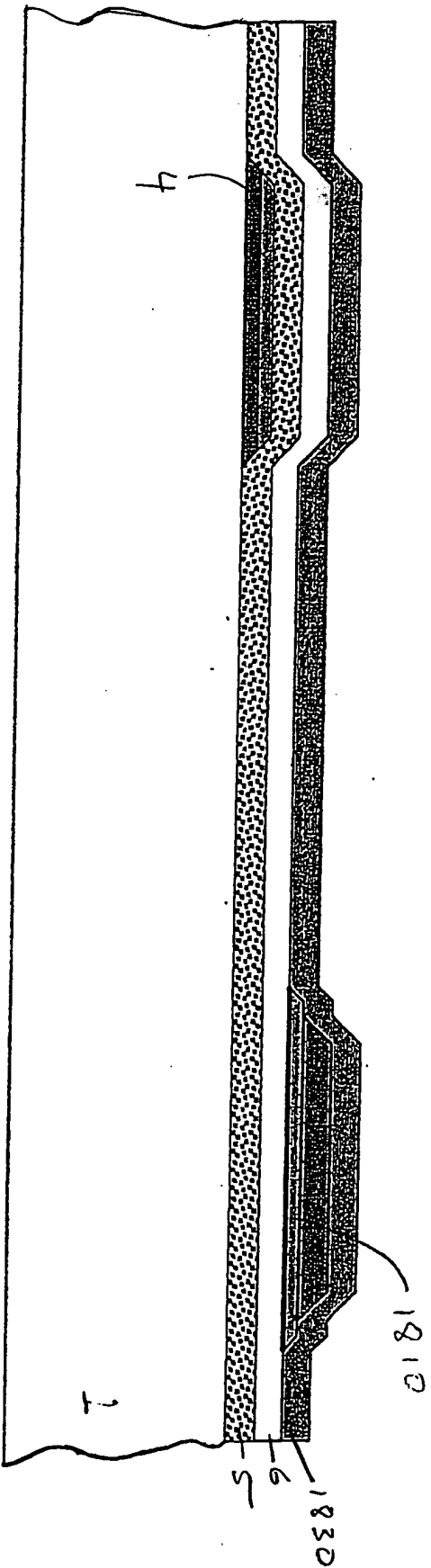


FIG. 20H

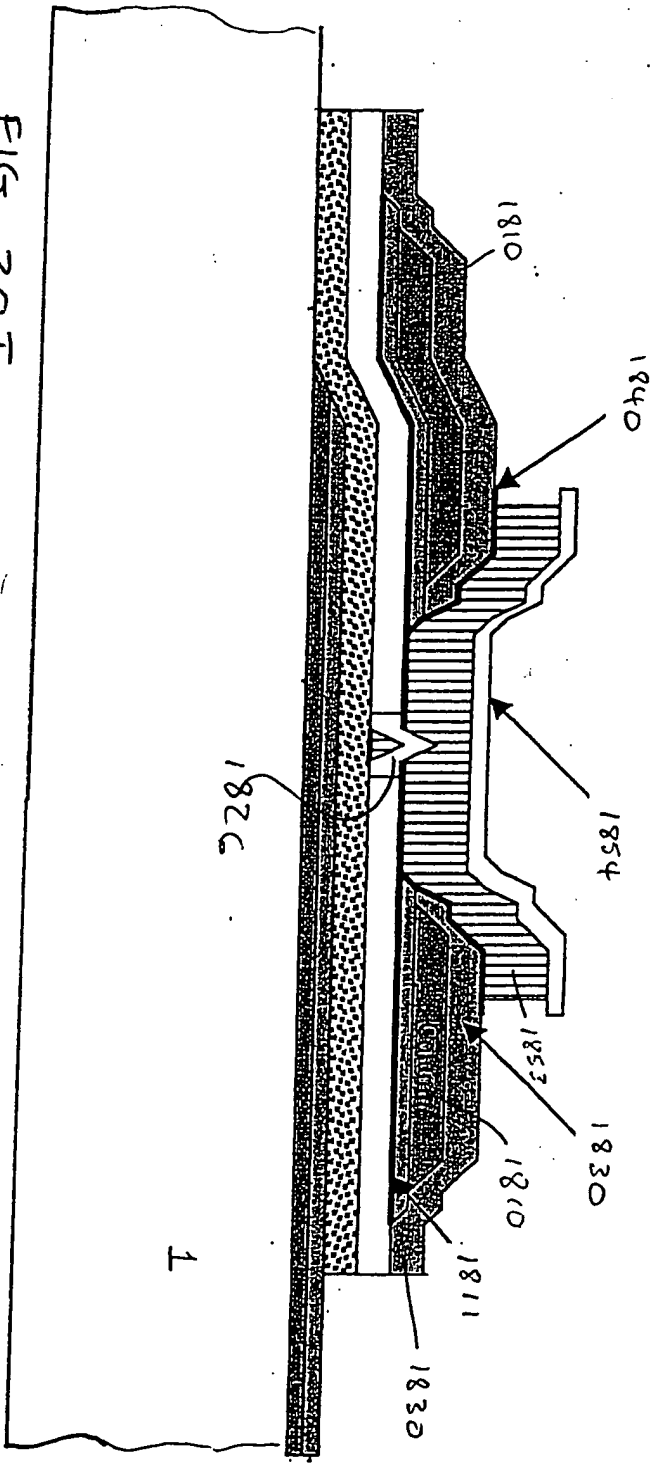


FIG. 20I

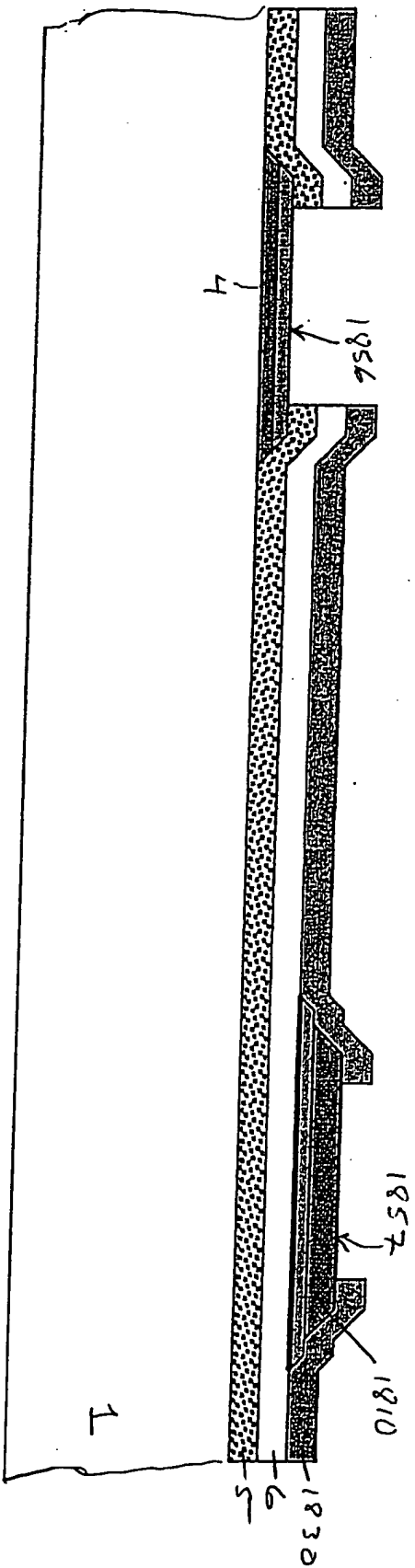
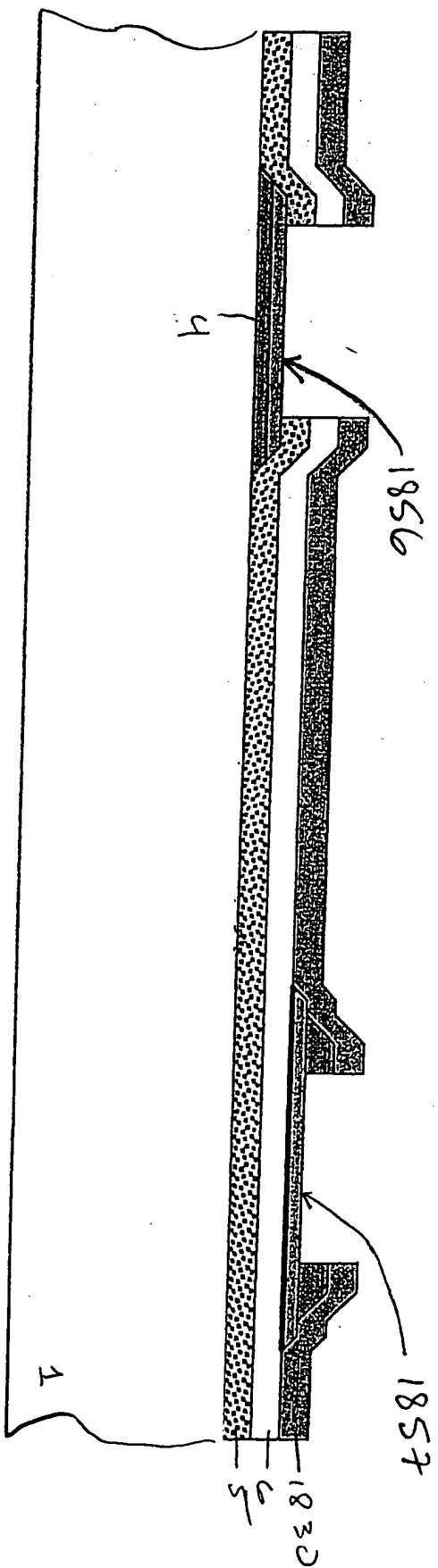
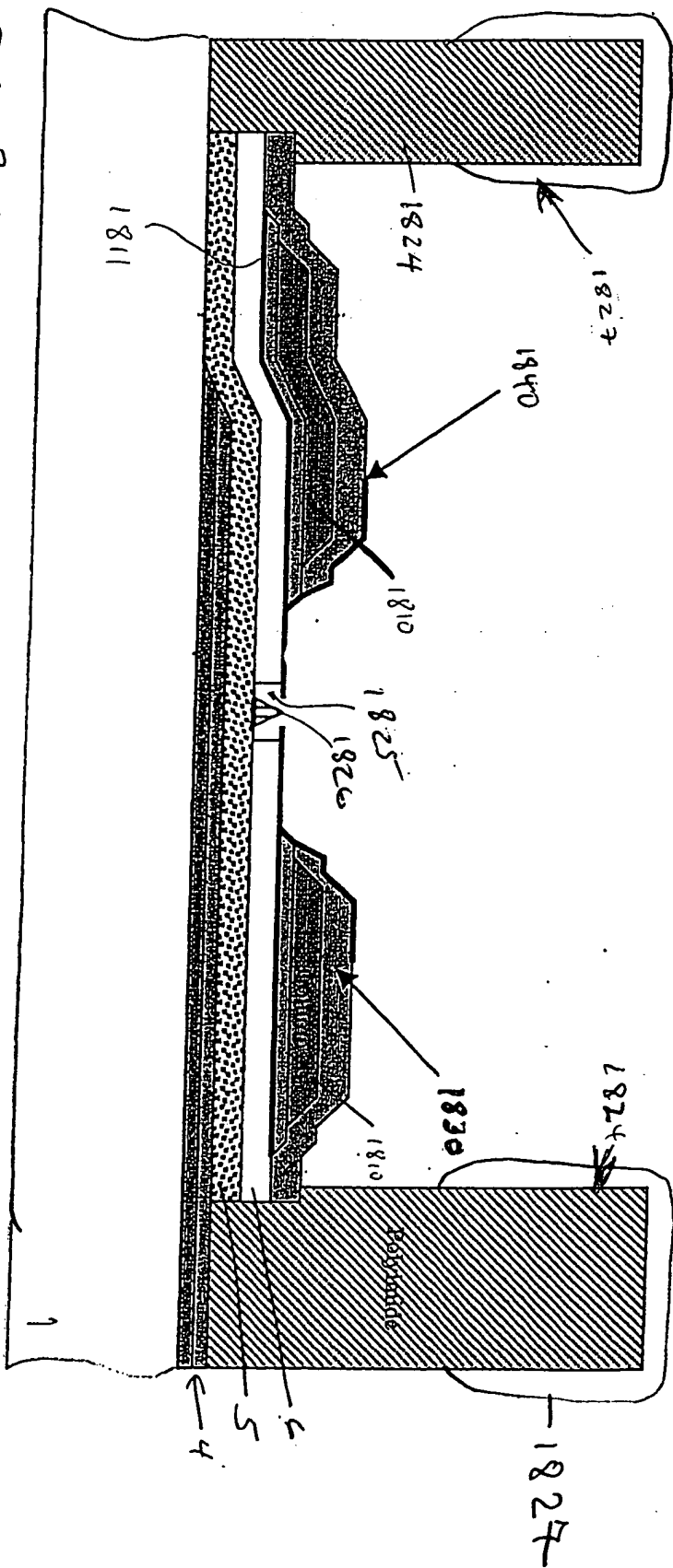


FIG. 20J



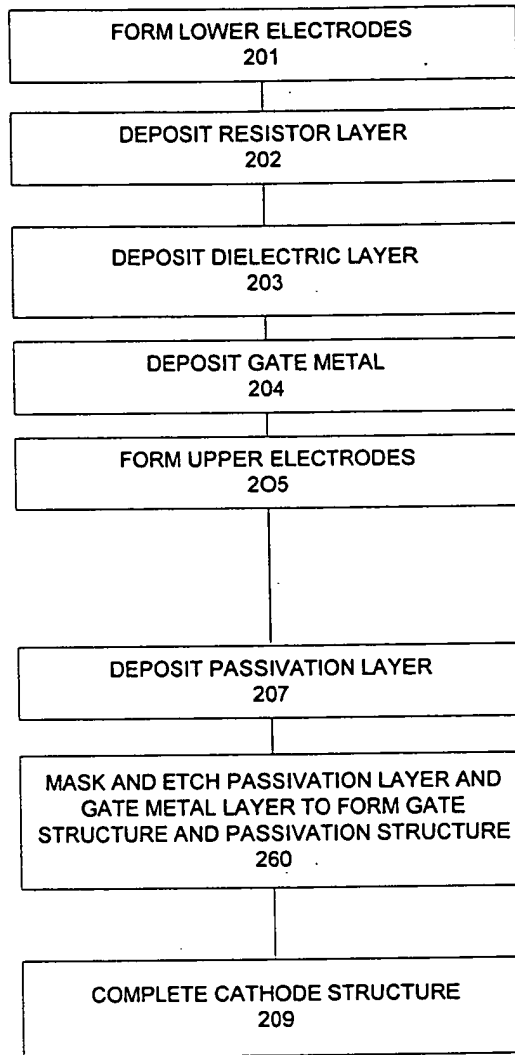


FIG. 21

FIG. 224

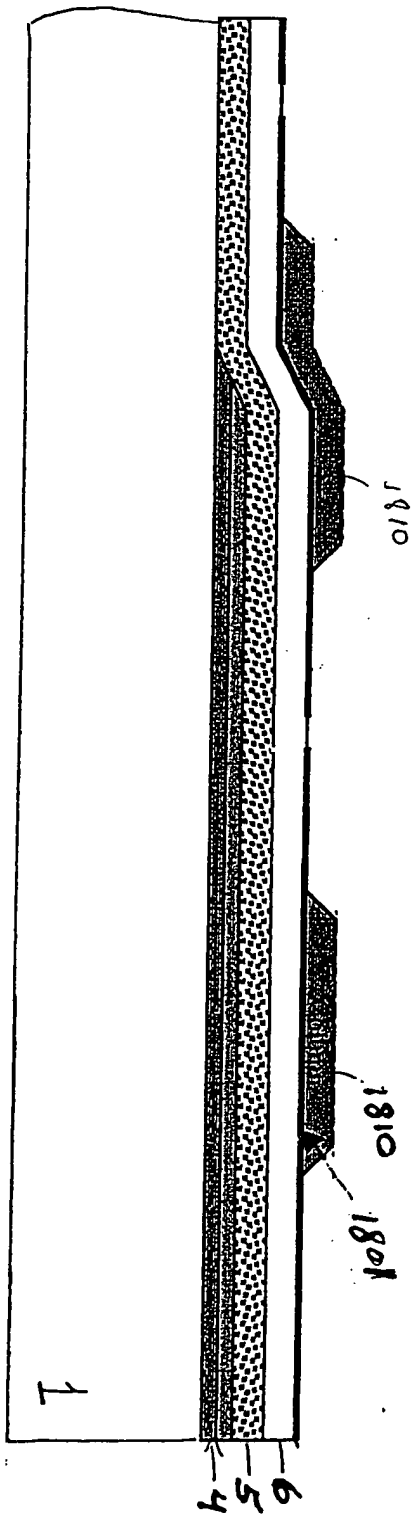


FIG. 228

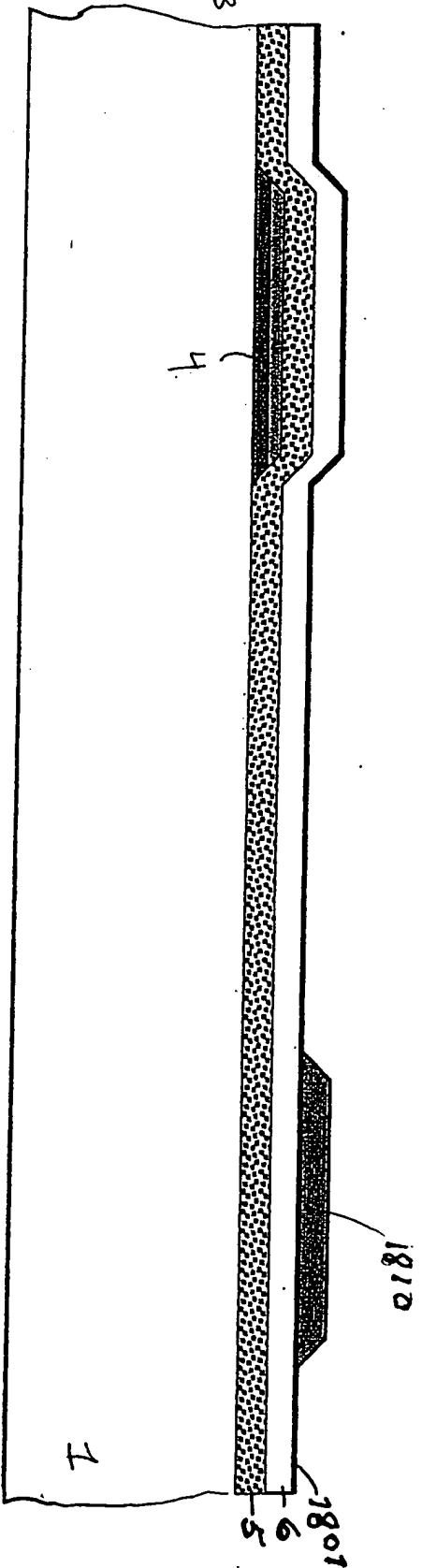


FIG. 224

FIG. 22C

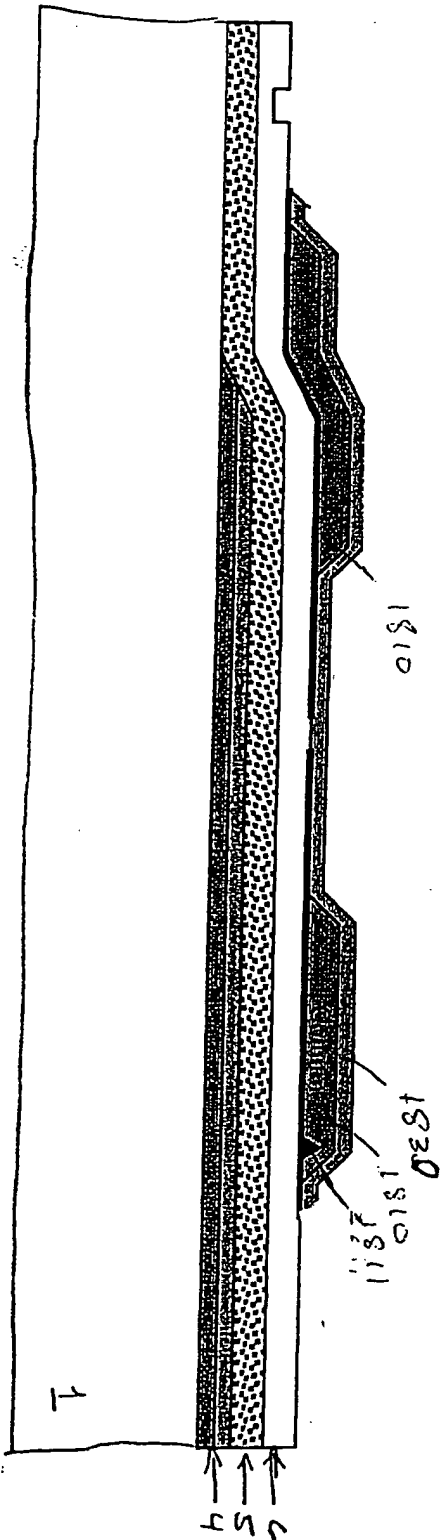


FIG. 22D

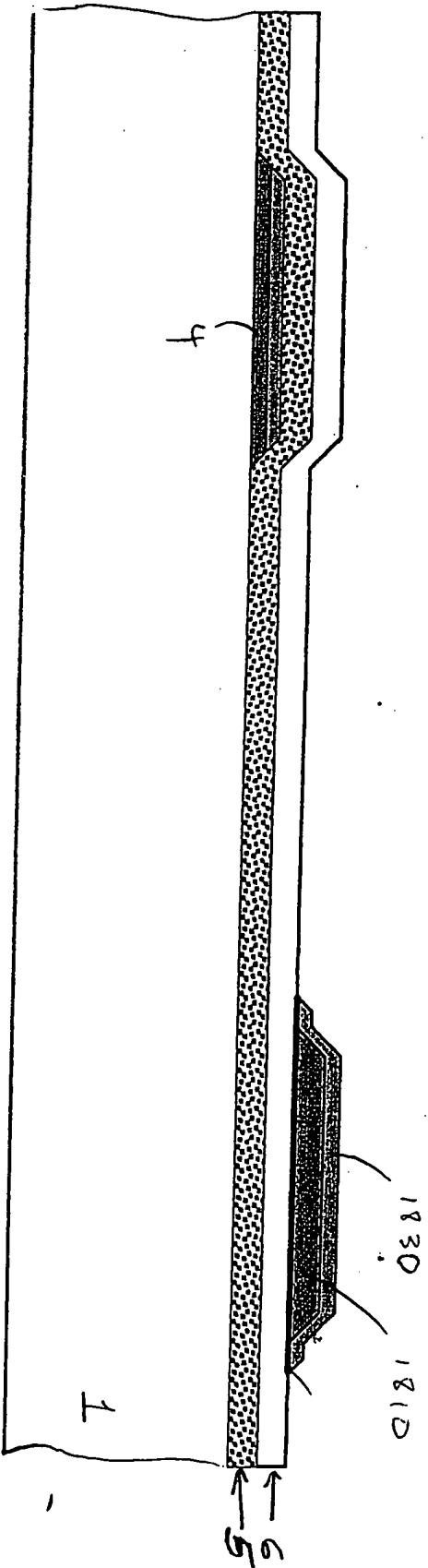


FIG 22E

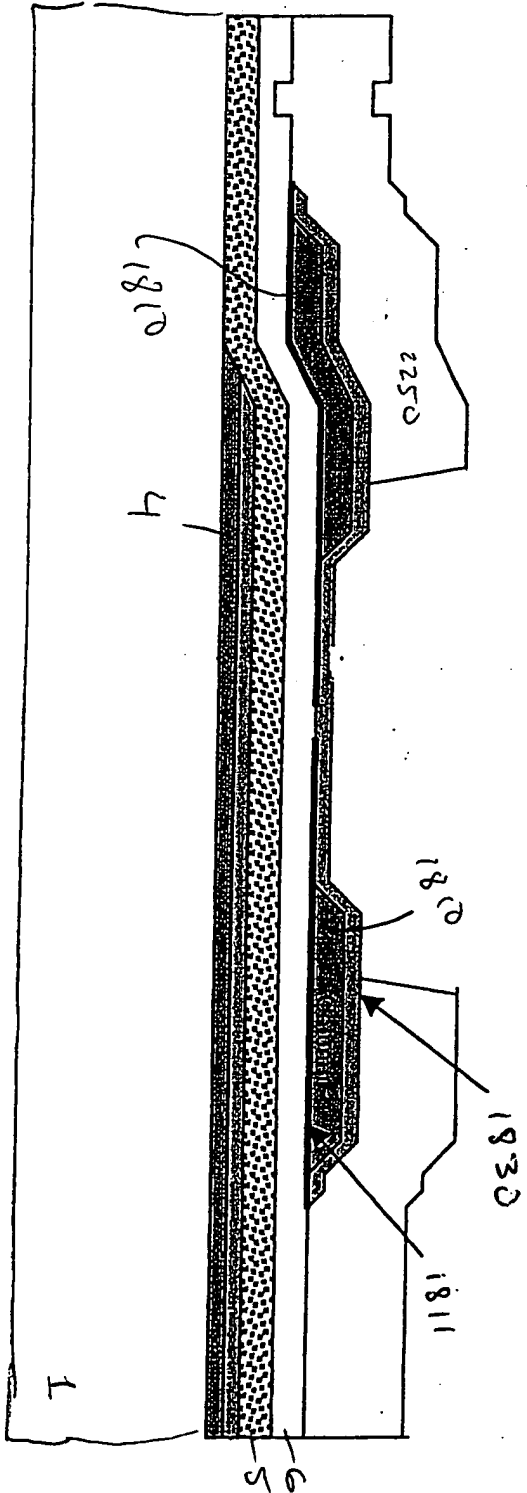


FIG 22F

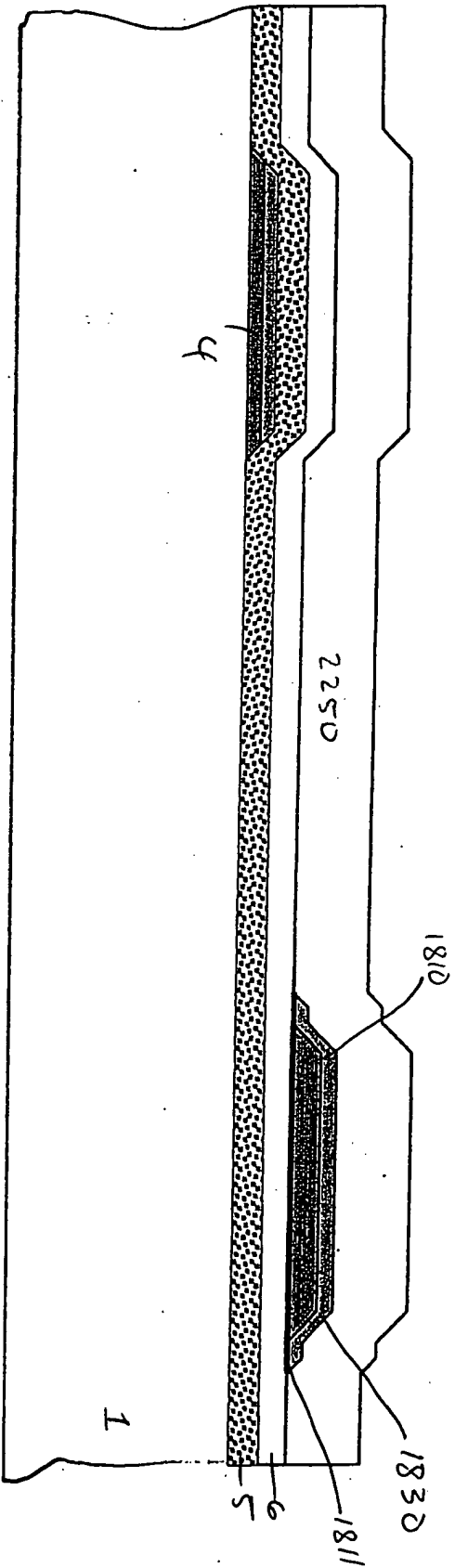


FIG 226

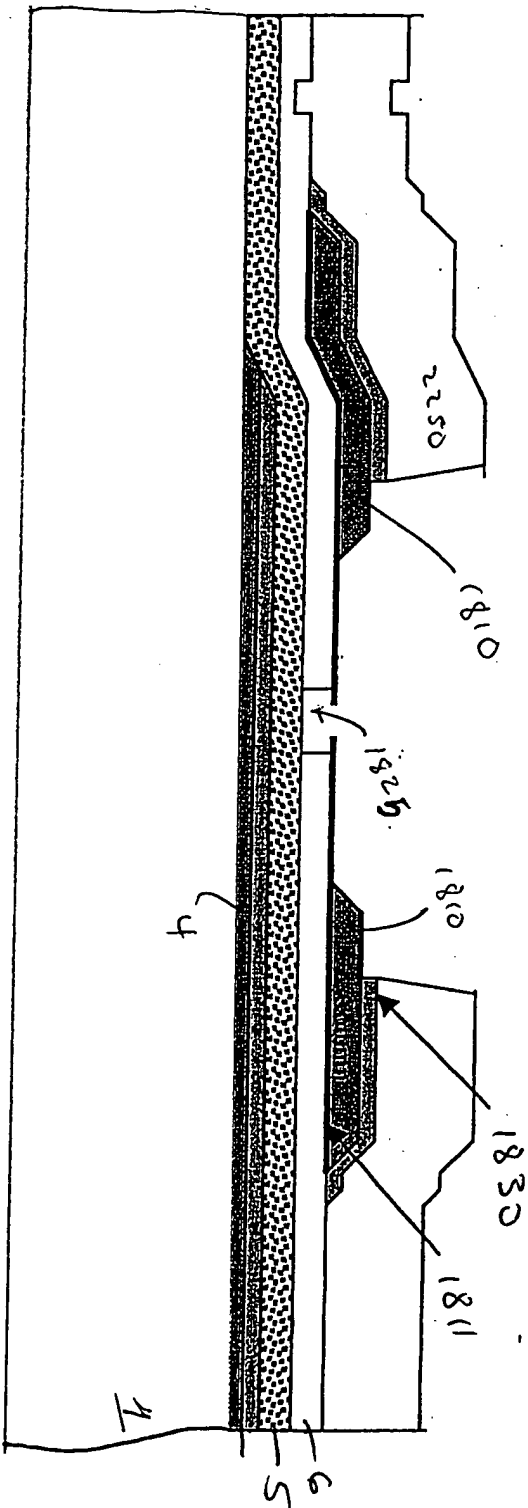


FIG 224

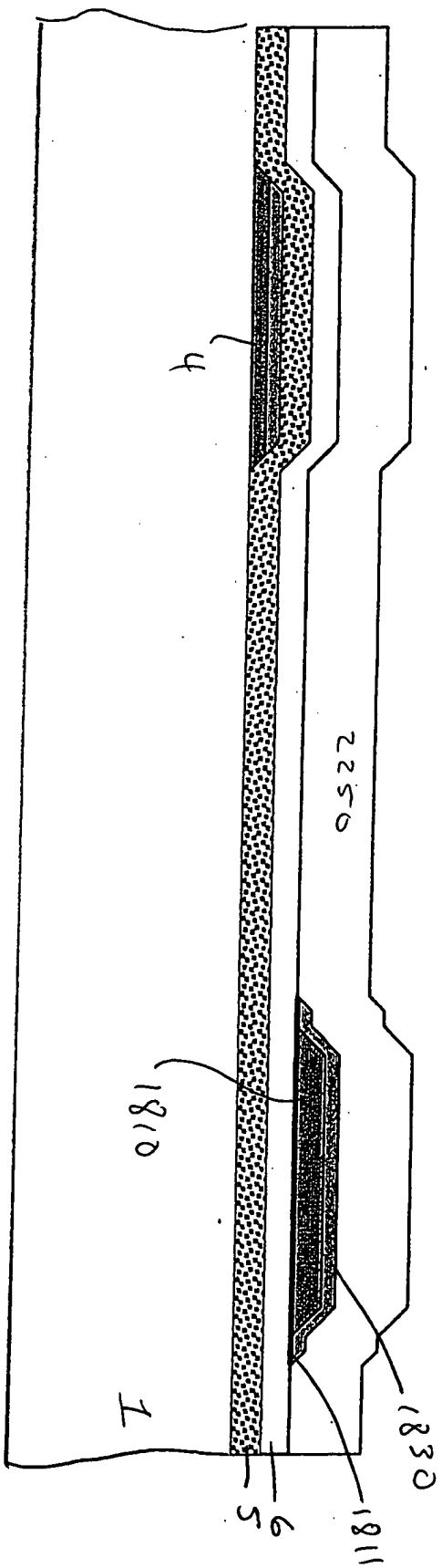




FIG. 22I

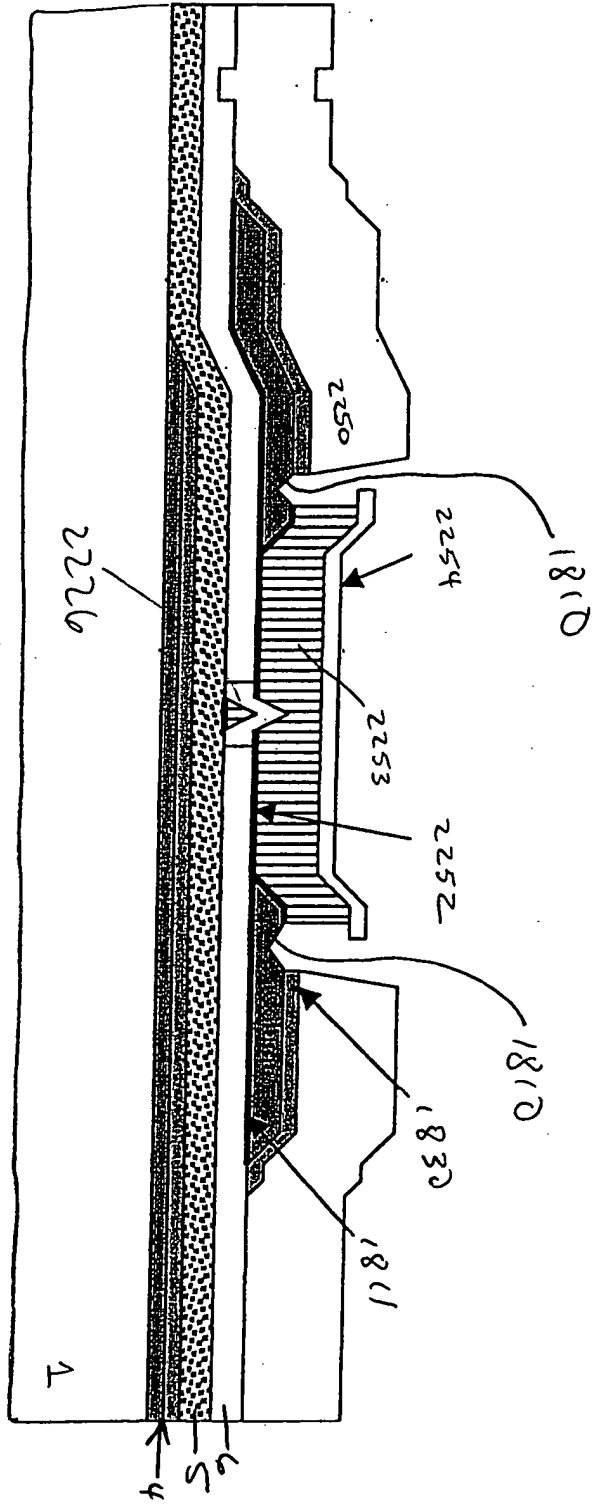


FIG. 22J

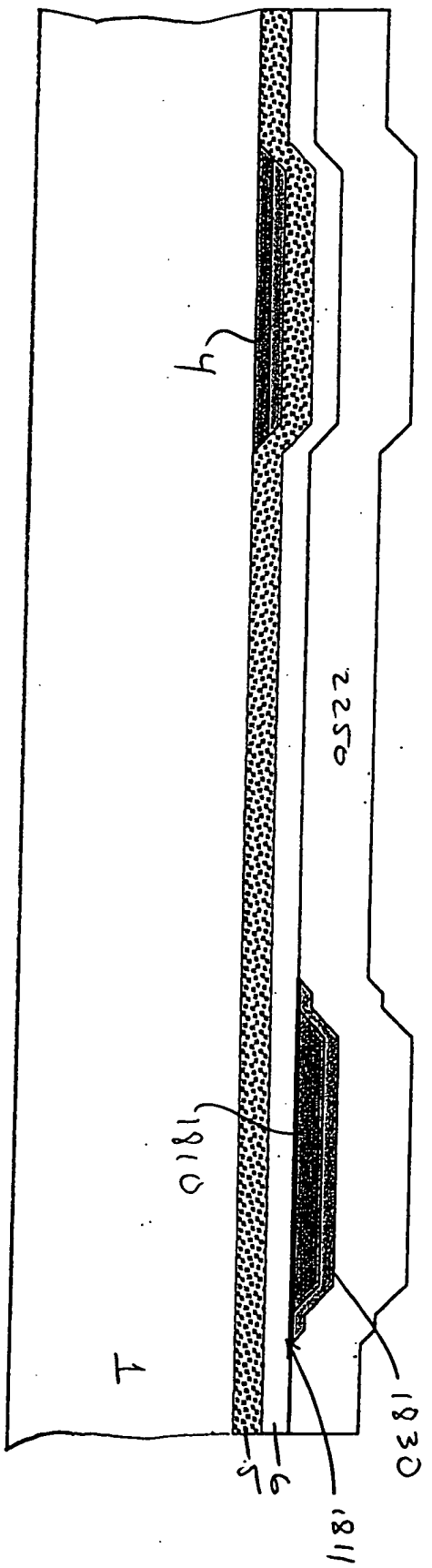
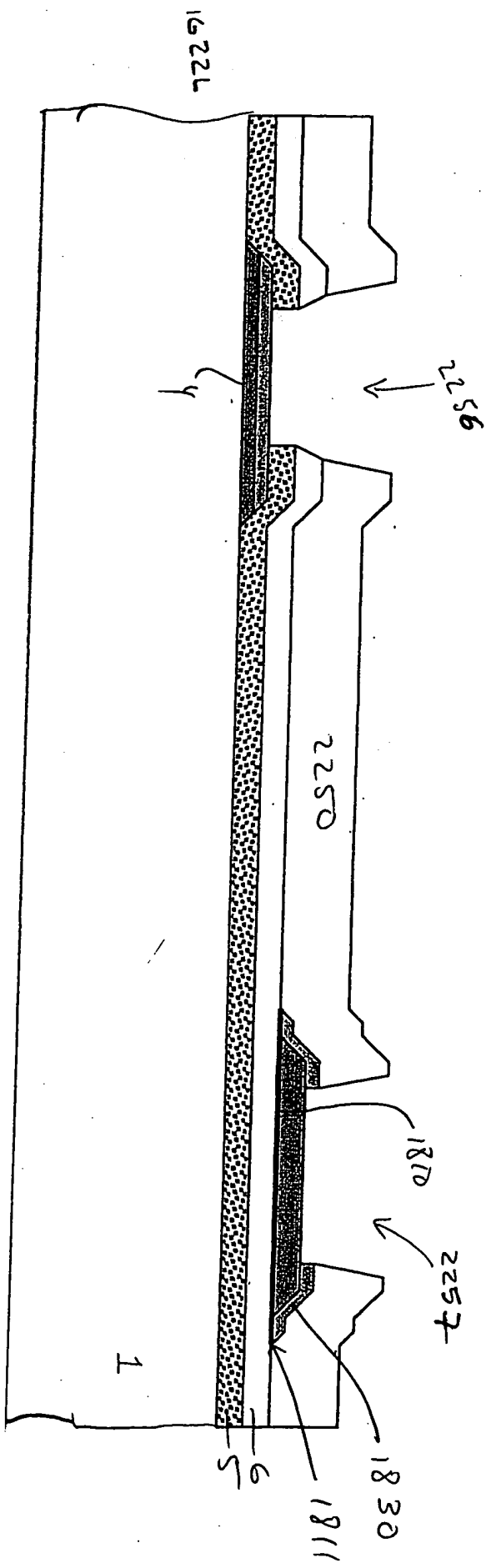
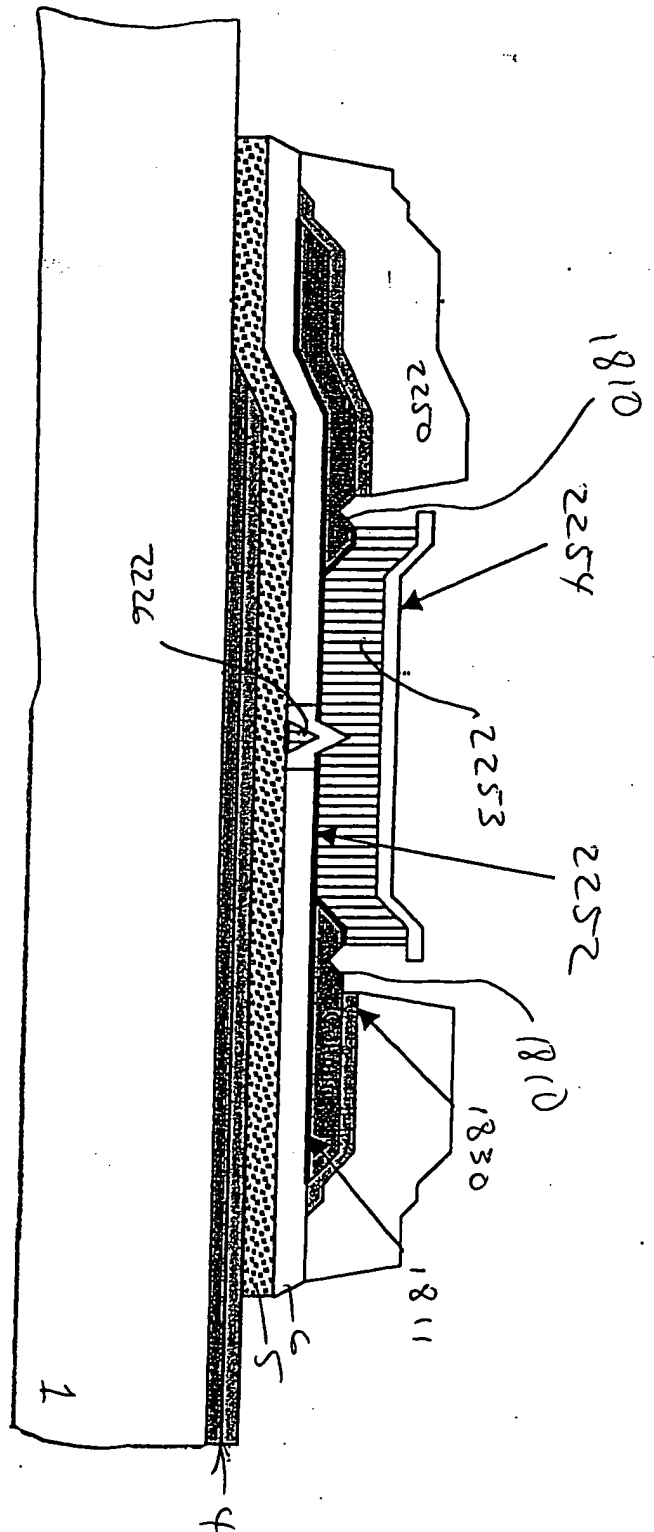
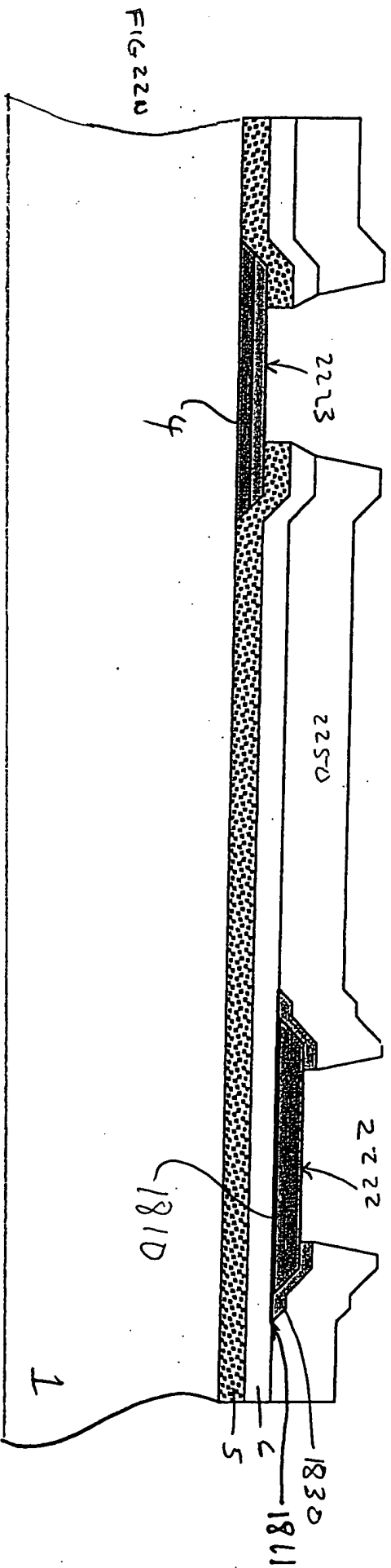
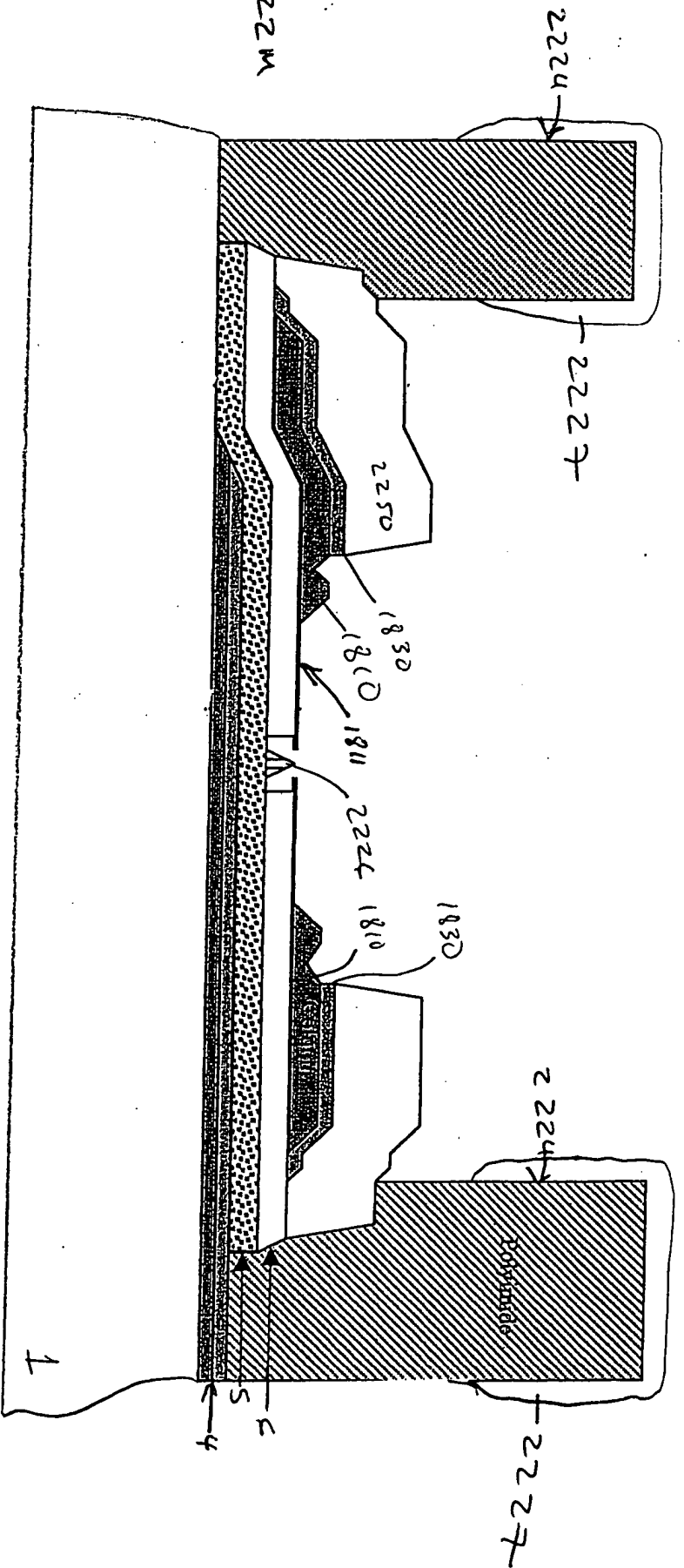


FIG. 22I and FIG. 22J are schematic cross-sectional views of a device assembly. The device assembly includes a substrate 1, a central layer 2226, a series of vertical ridges 2252, 2253, and 2254, a layer 2250, and side regions 1810. The side regions 1810 include sub-regions 1830 and layers 1811. The central layer 2226 is positioned between the side regions 1810. The ridges 2252, 2253, and 2254 are positioned on top of the central layer 2226. The layer 2250 is positioned on top of the ridges. The side regions 1810 are positioned on the left and right sides of the central layer 2226. The sub-regions 1830 are positioned on the left and right sides of the central layer 2226. The layers 1811 are positioned on the left and right sides of the central layer 2226. The substrate 1 is positioned at the bottom of the device assembly.

FIG. 22K





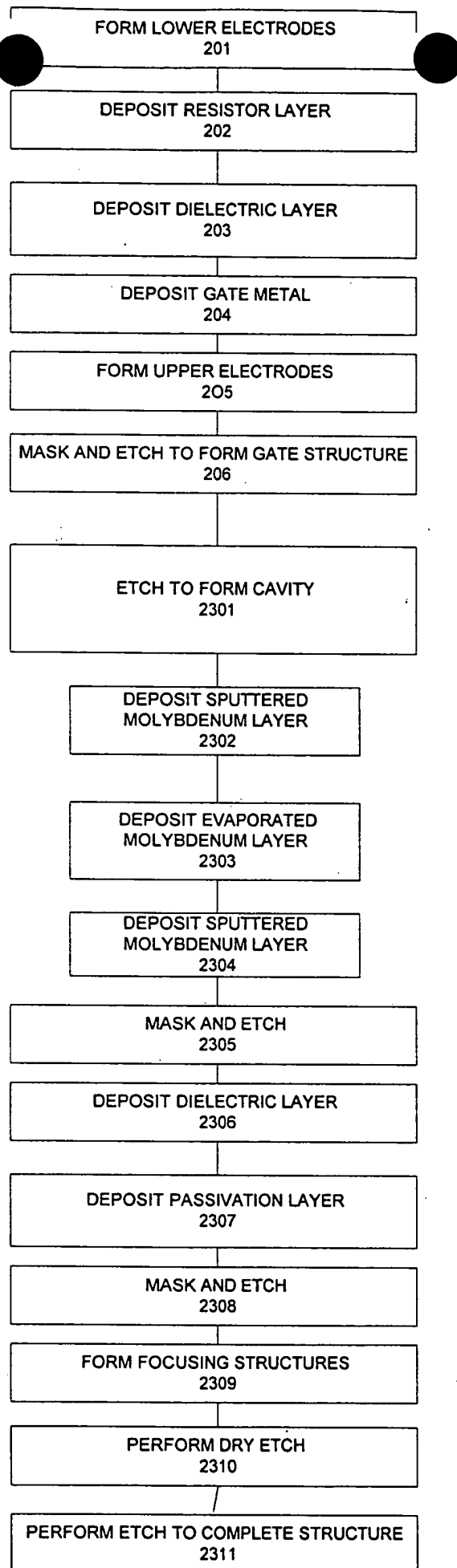


FIG. 23

FIG 24A

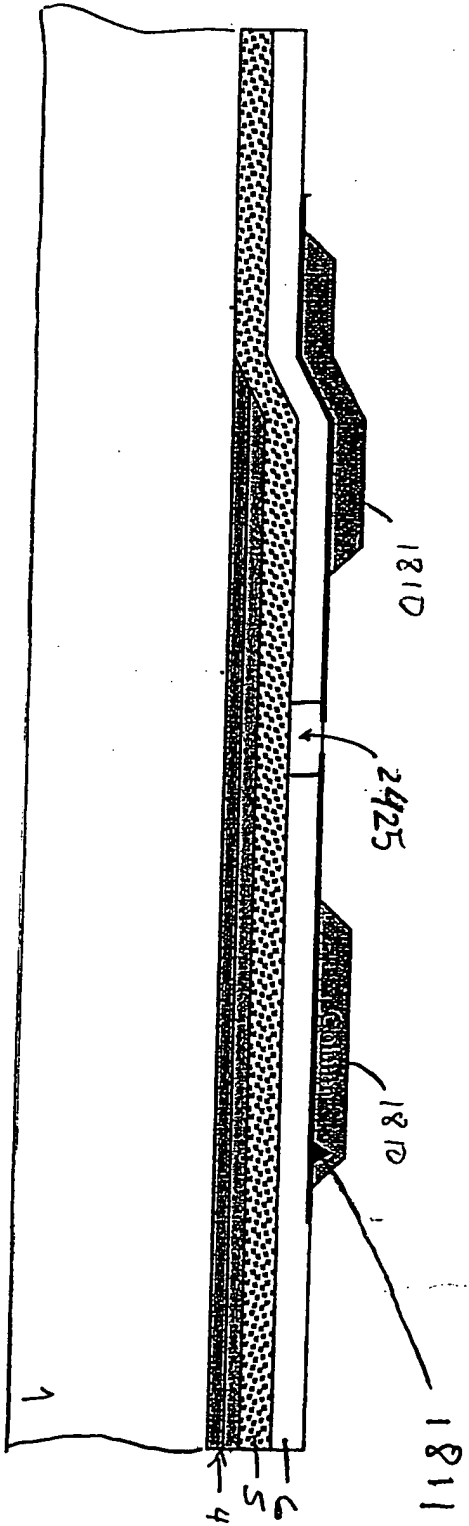


FIG. 24B

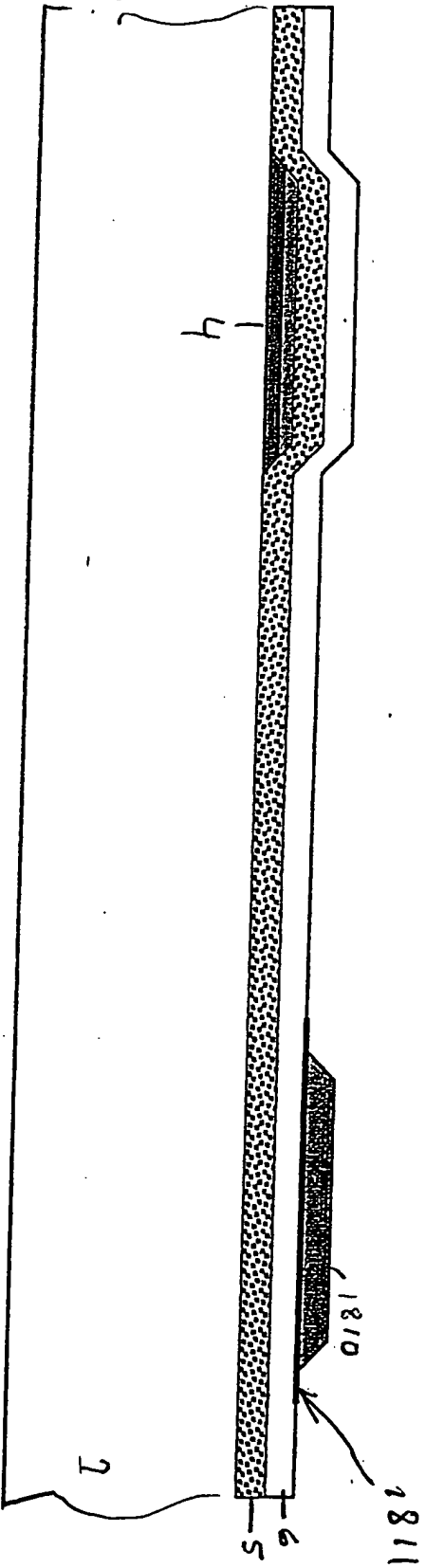


FIG 24C

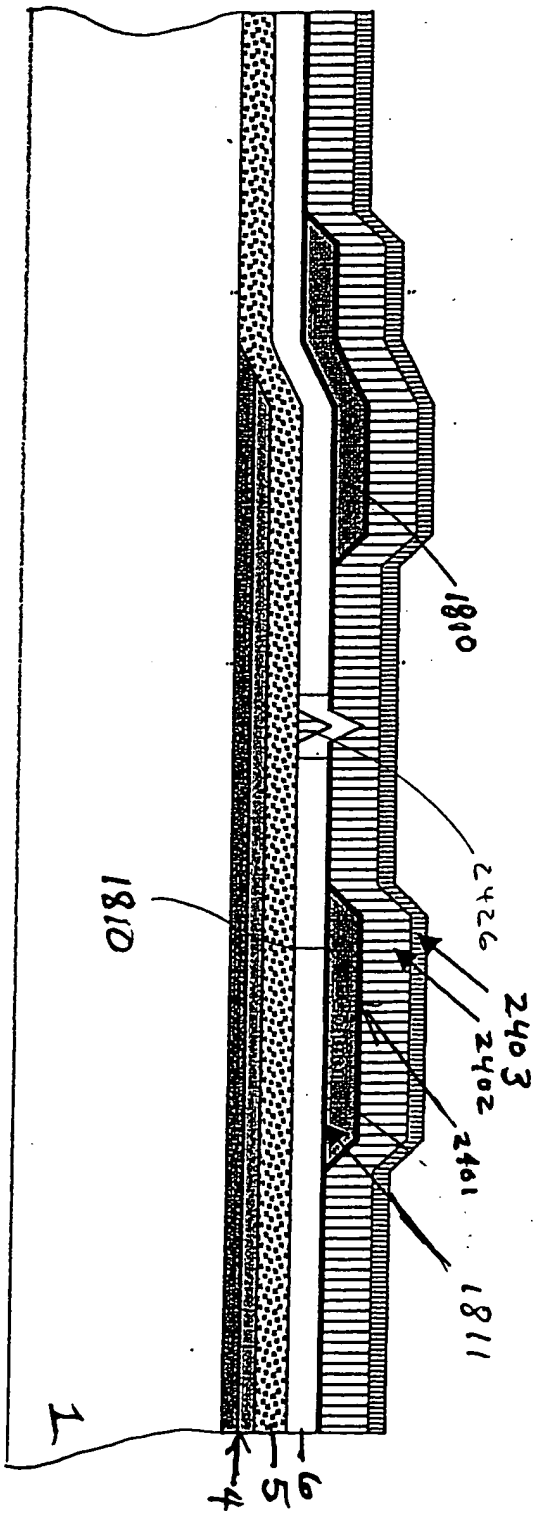


FIG 24D

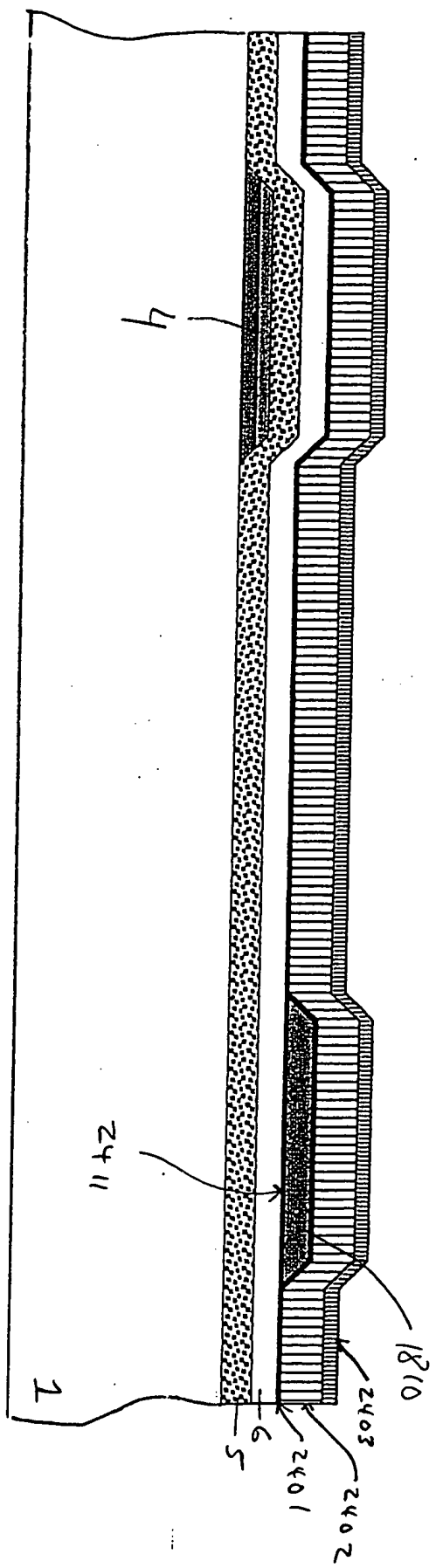


FIG 24E

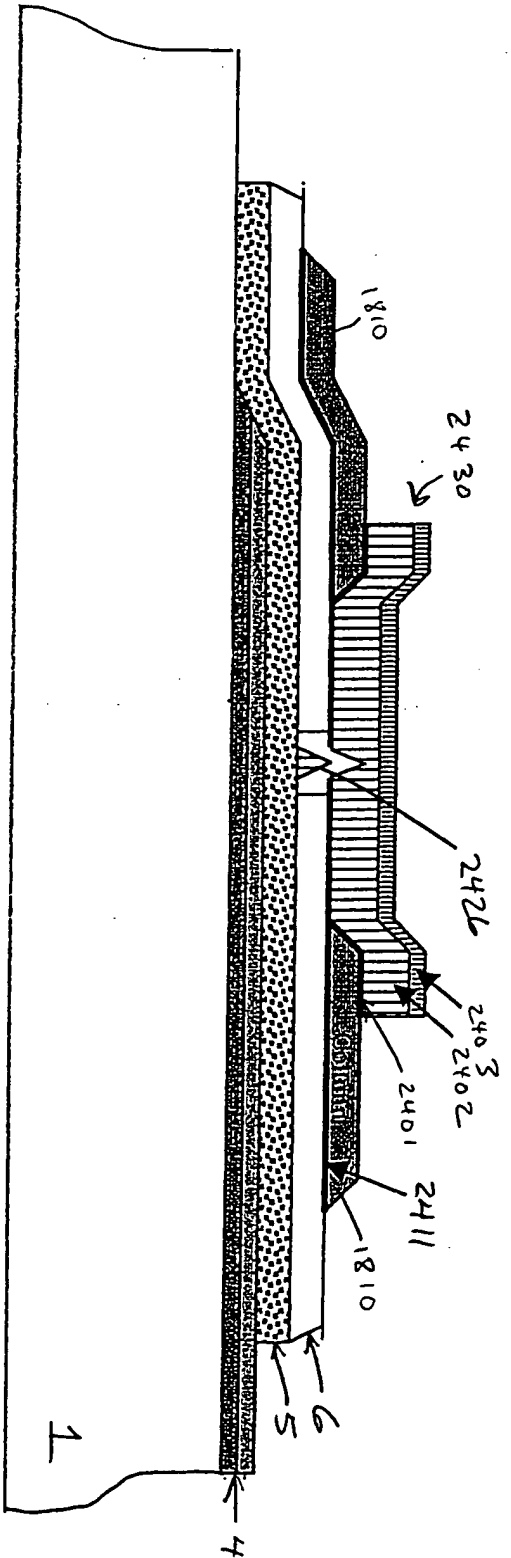
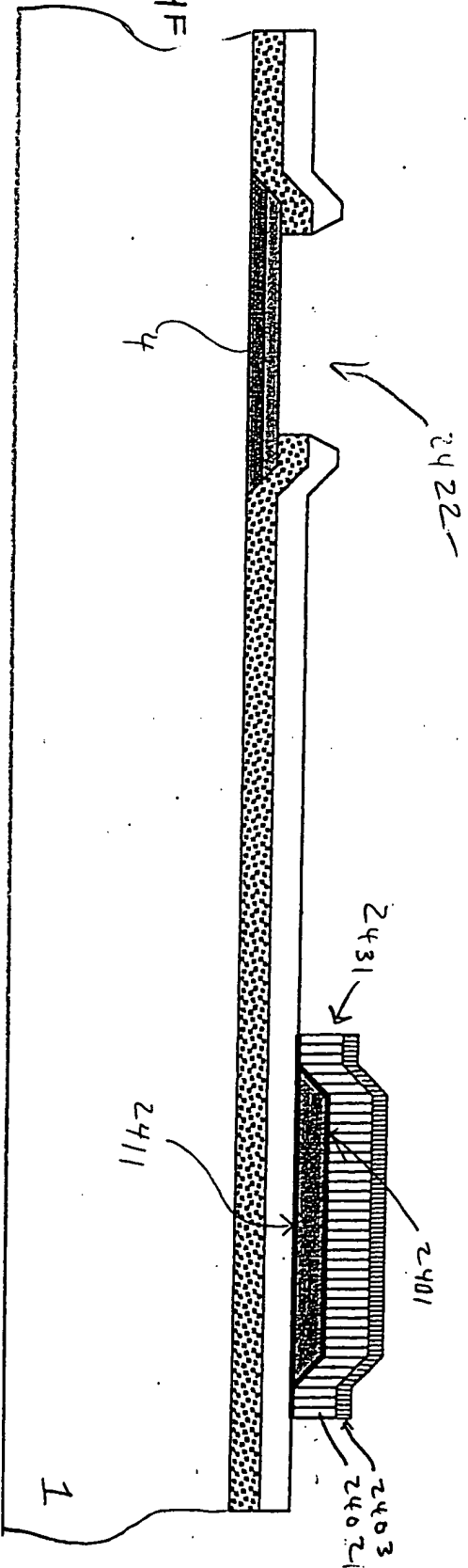


FIG 24F



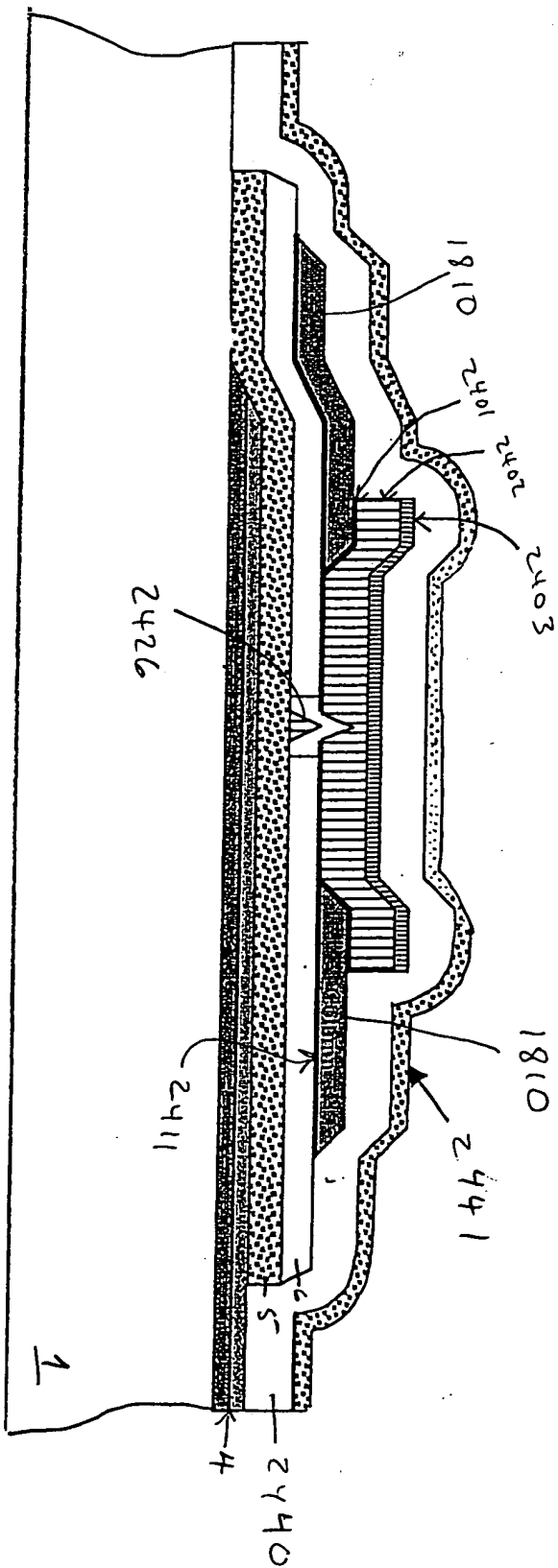


FIG. 24G

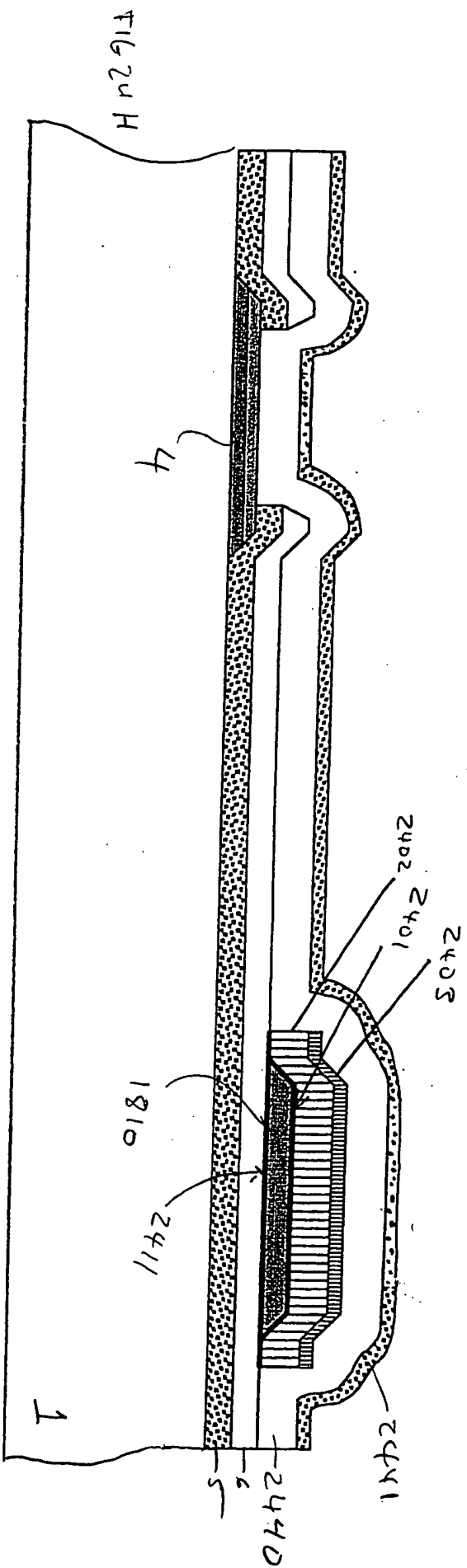


FIG. 24H



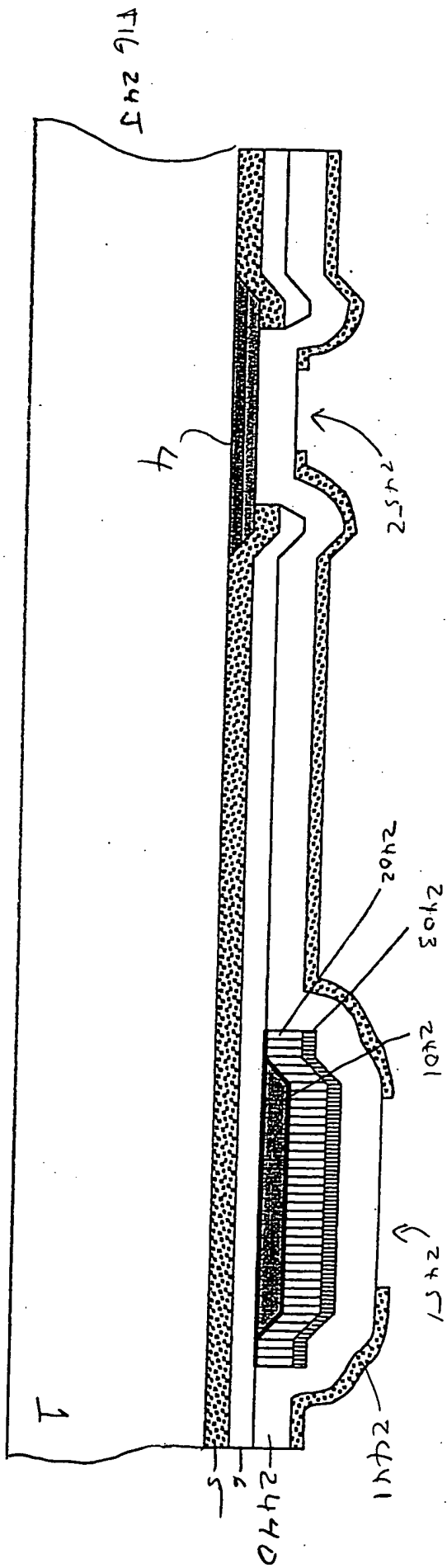


FIG 2+K

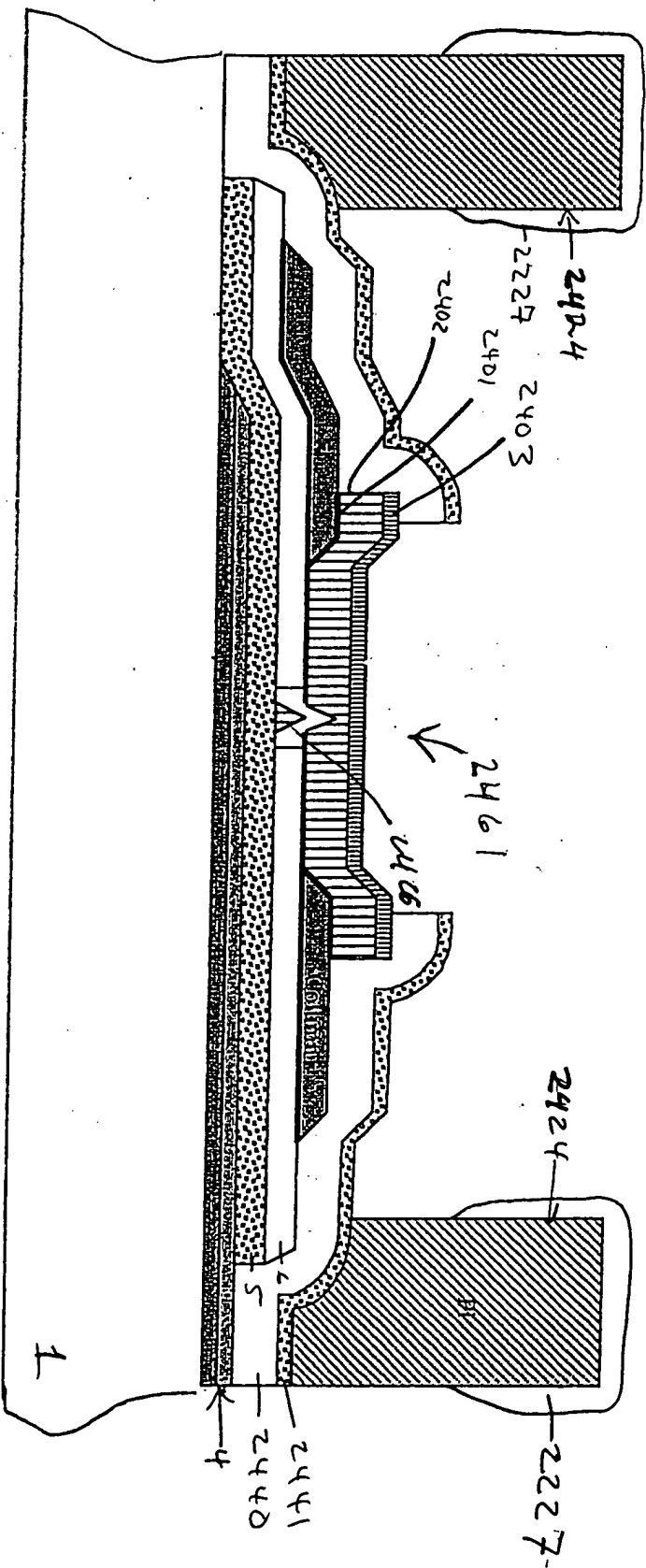
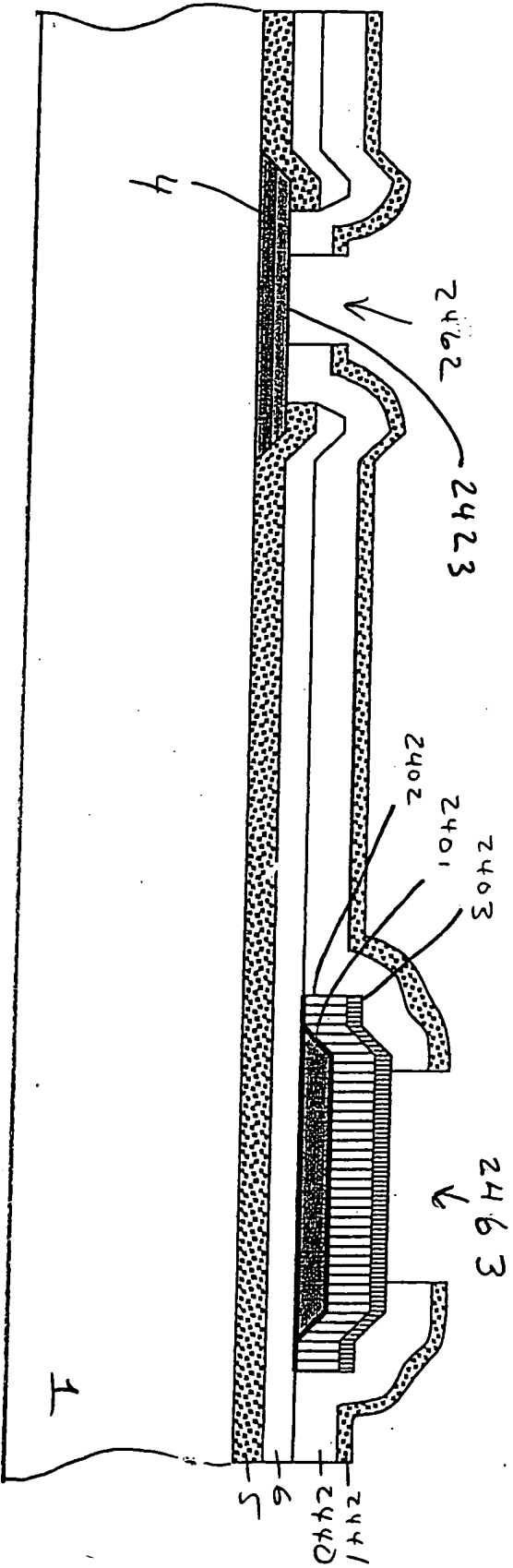


FIG 24L



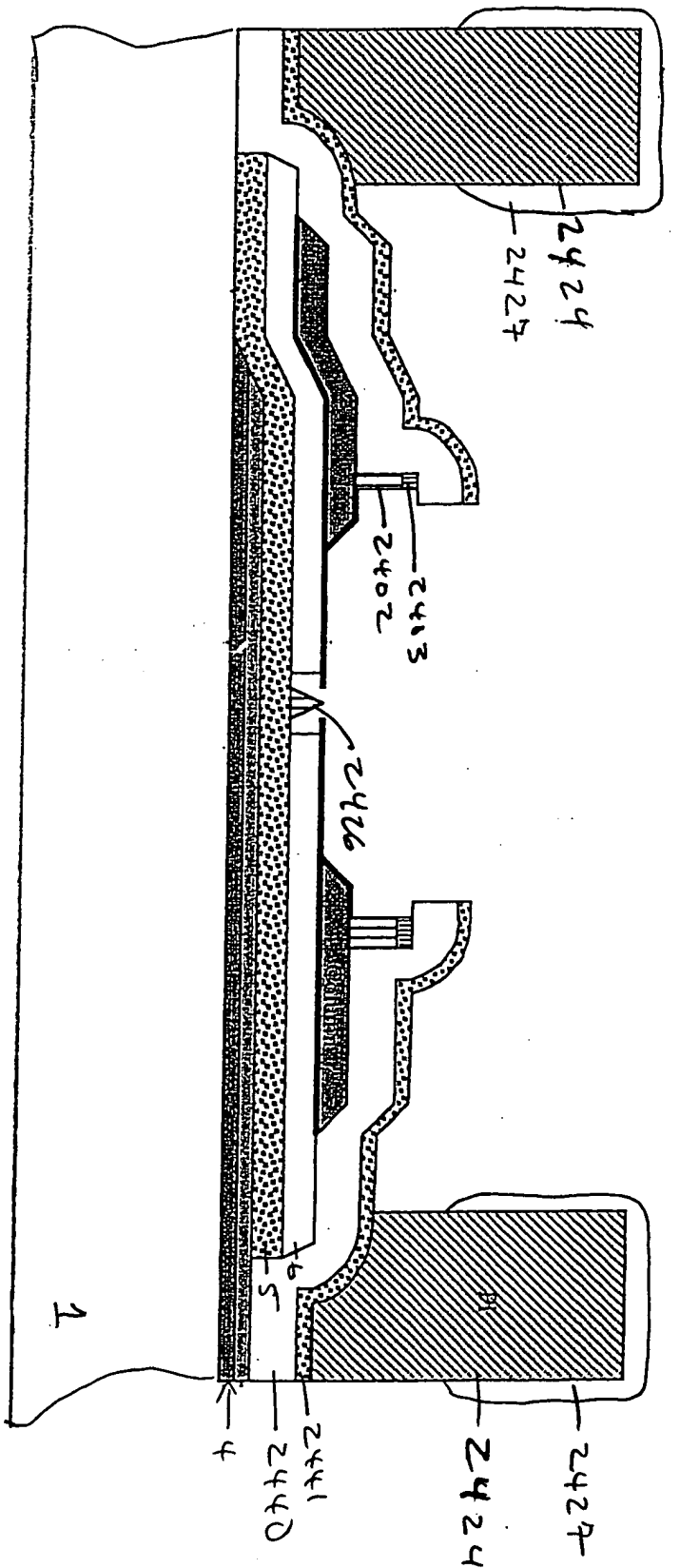


FIG. 24N

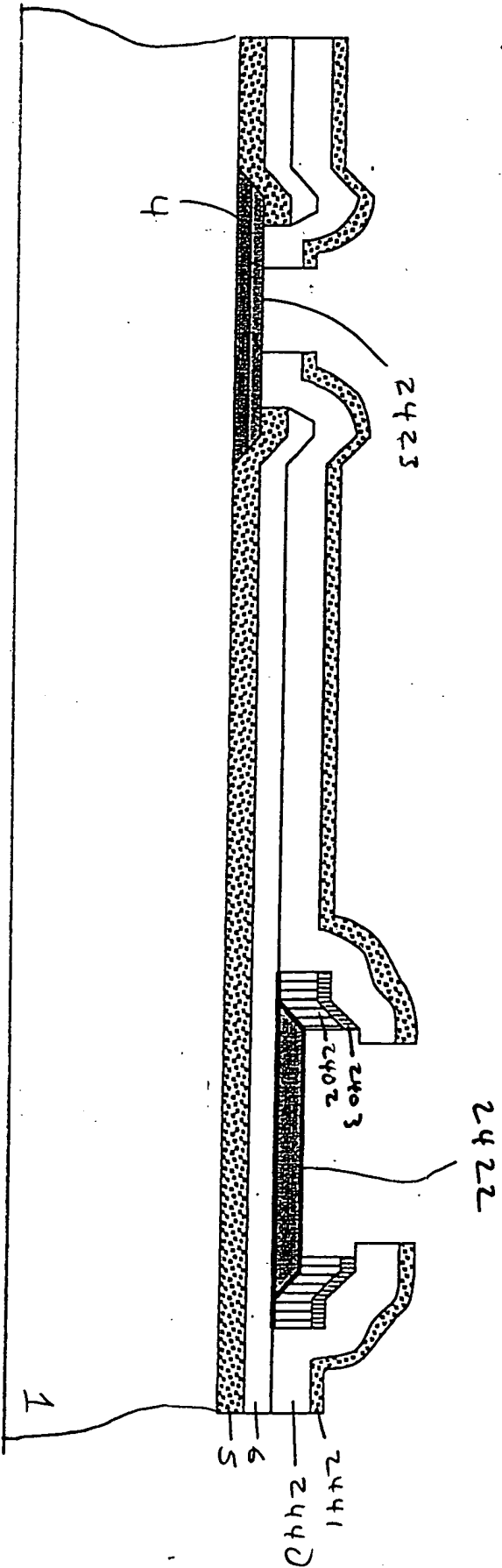


FIG. 24N

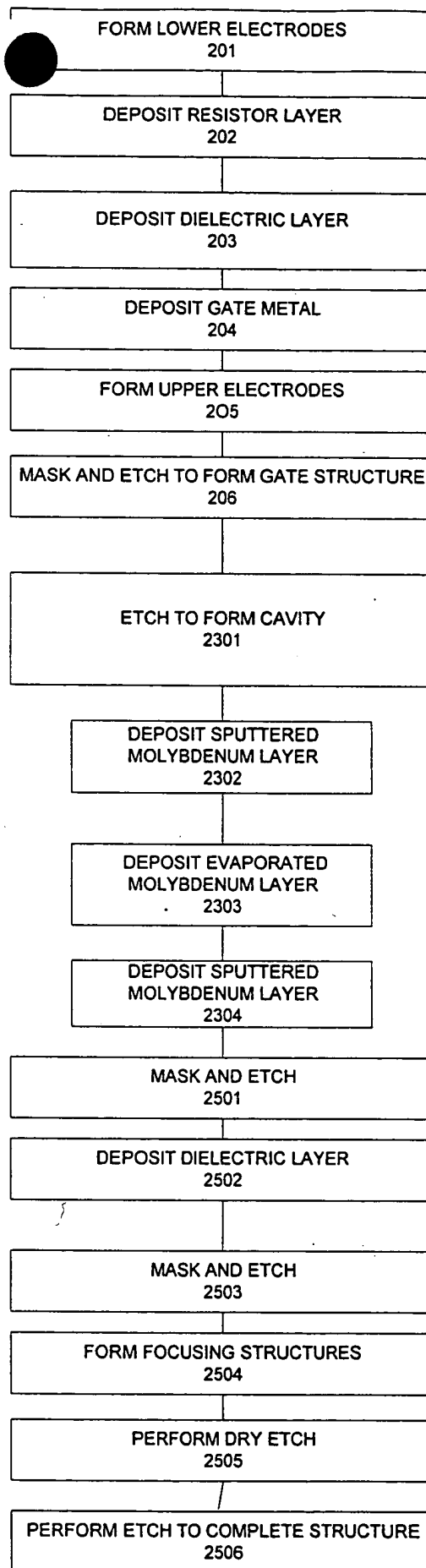


FIG. 25

FIG. 26A

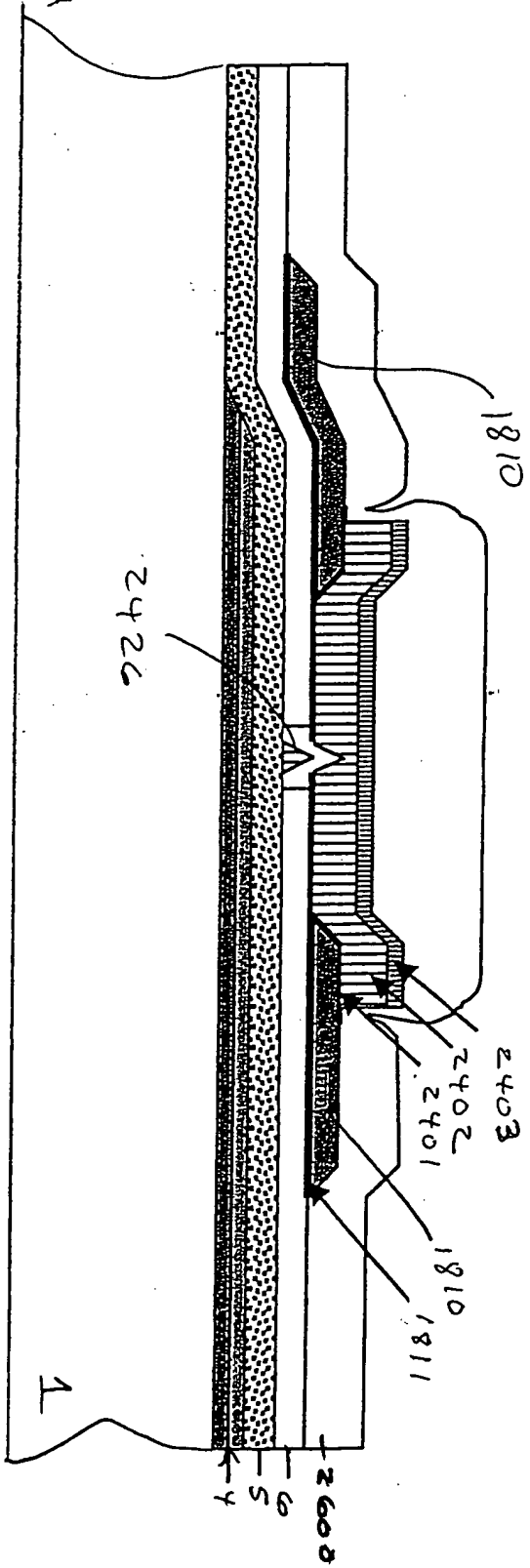
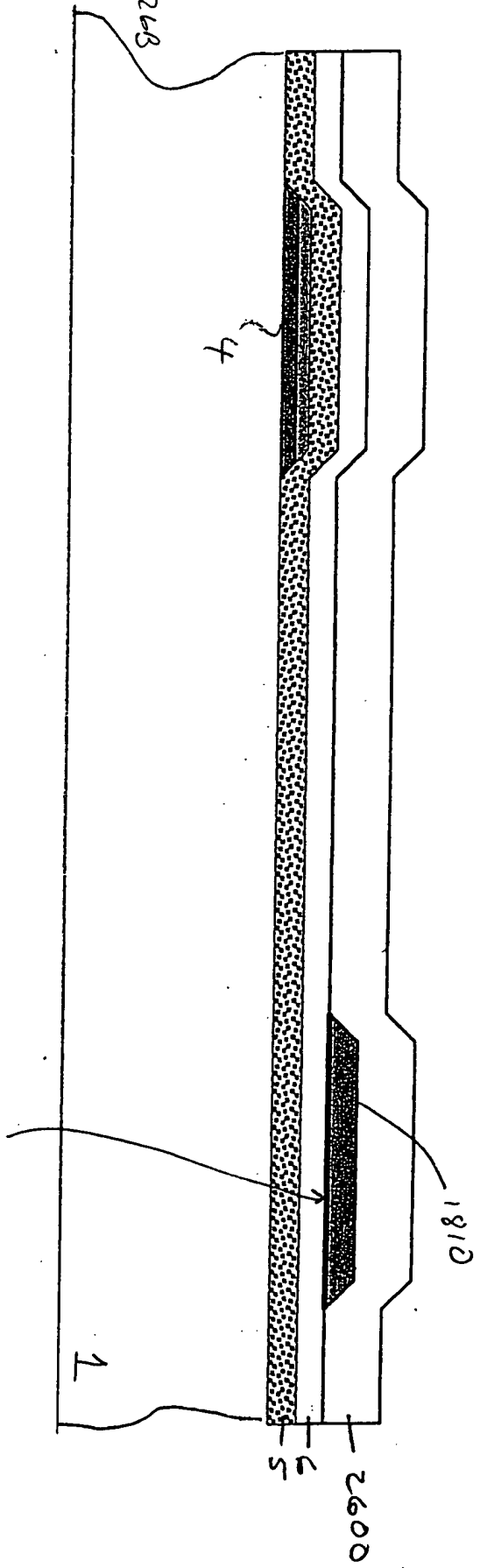


FIG. 26B



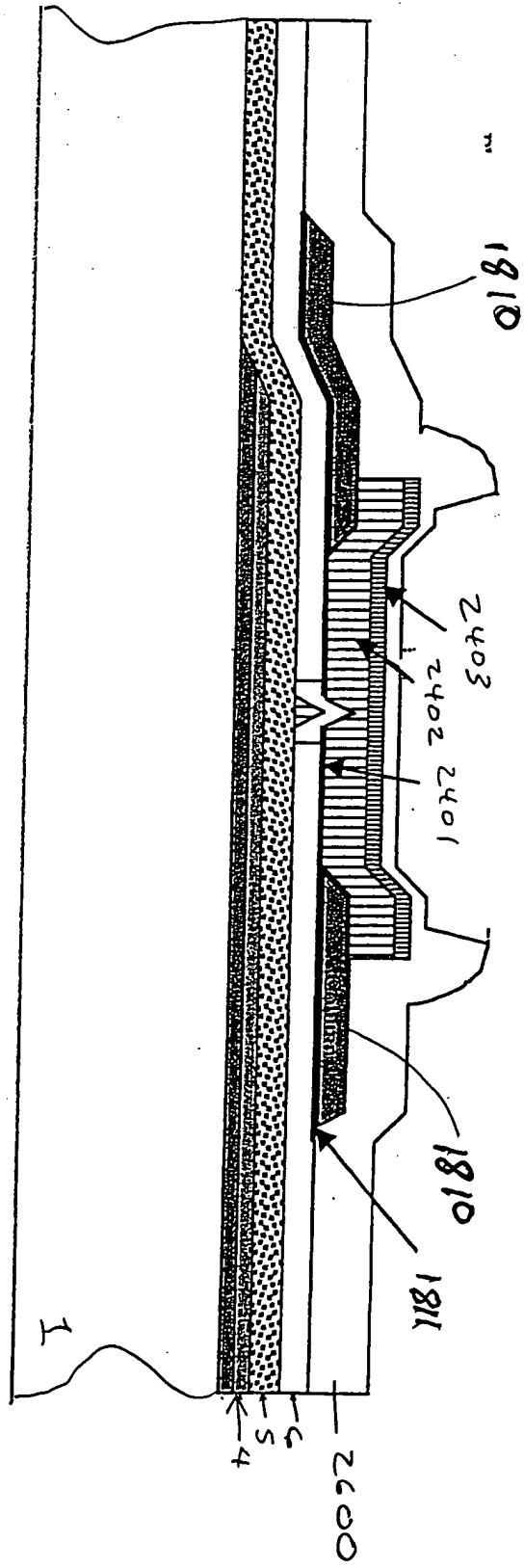
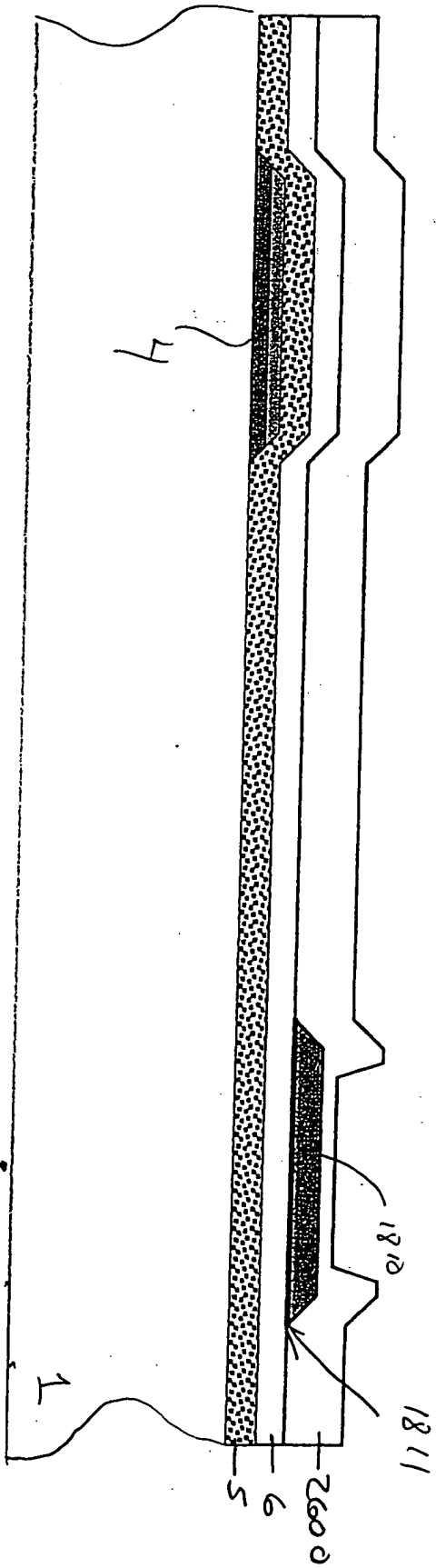


FIG 26E

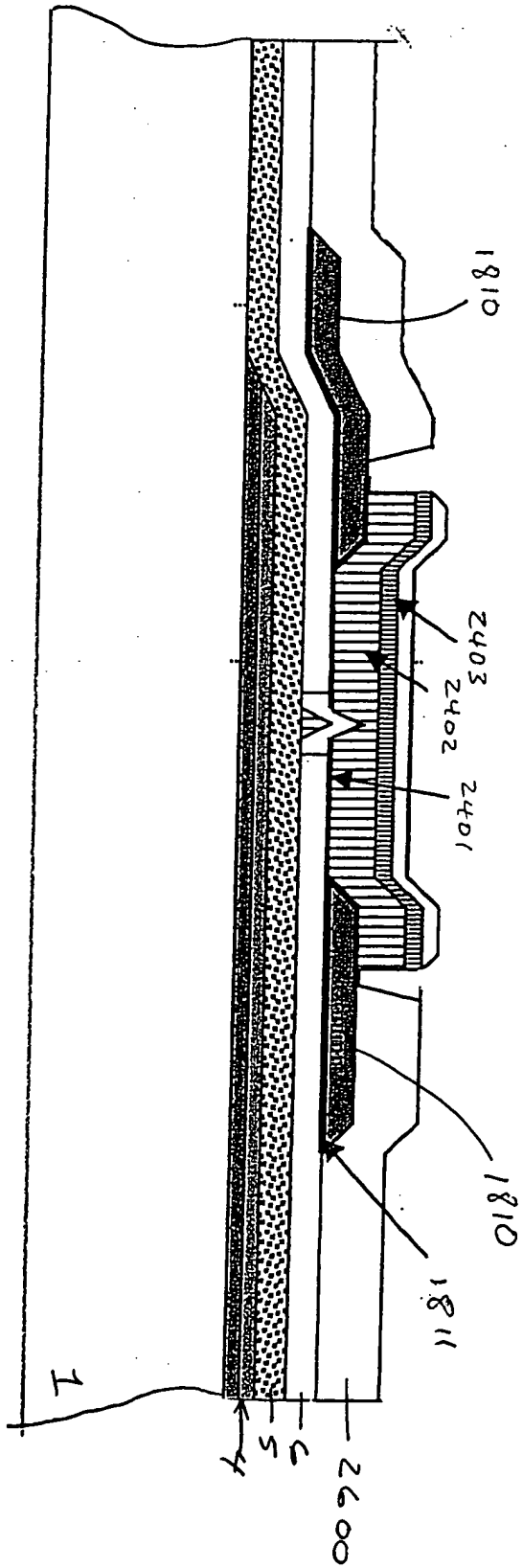
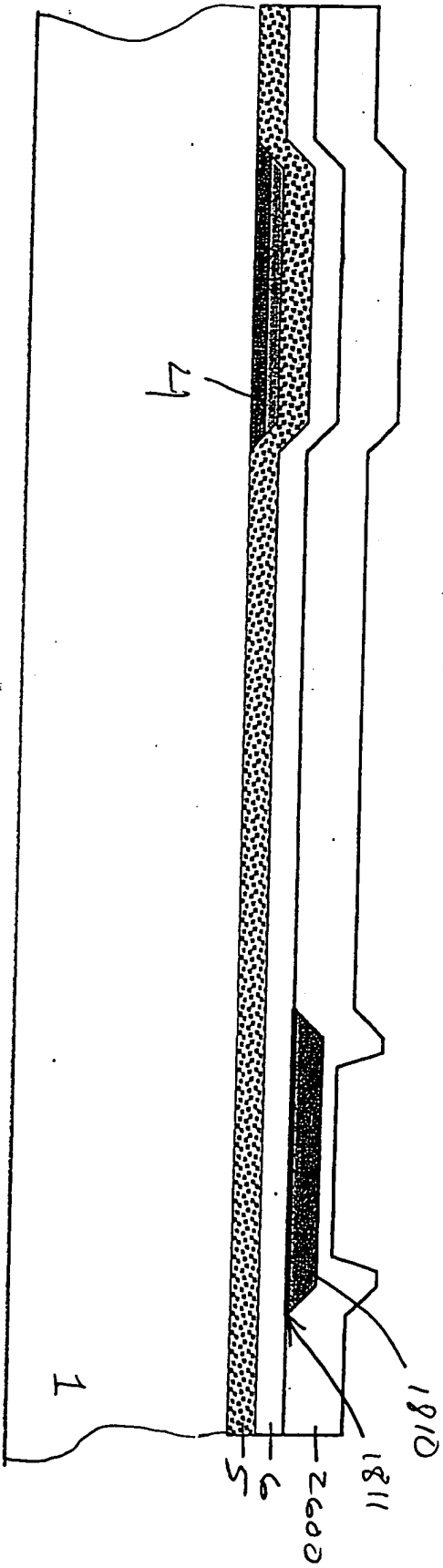
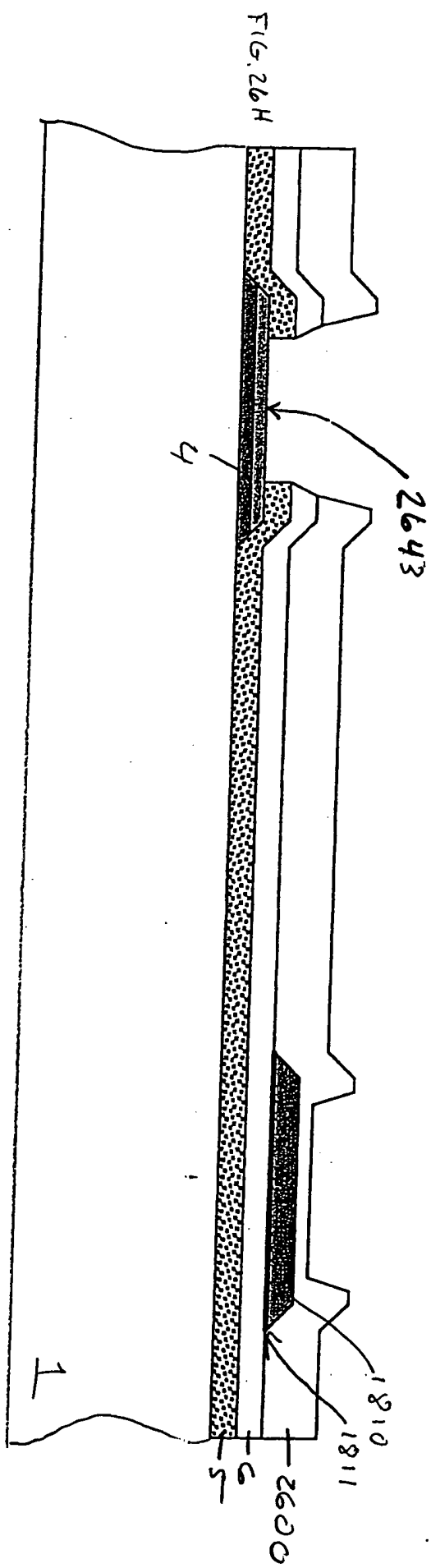
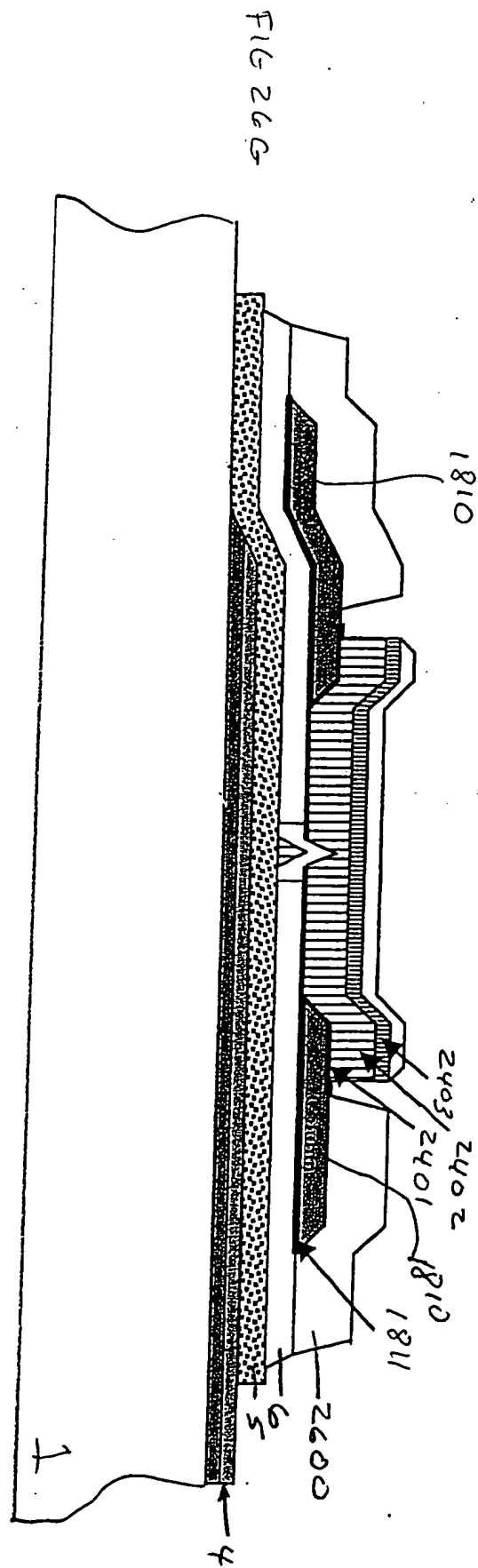
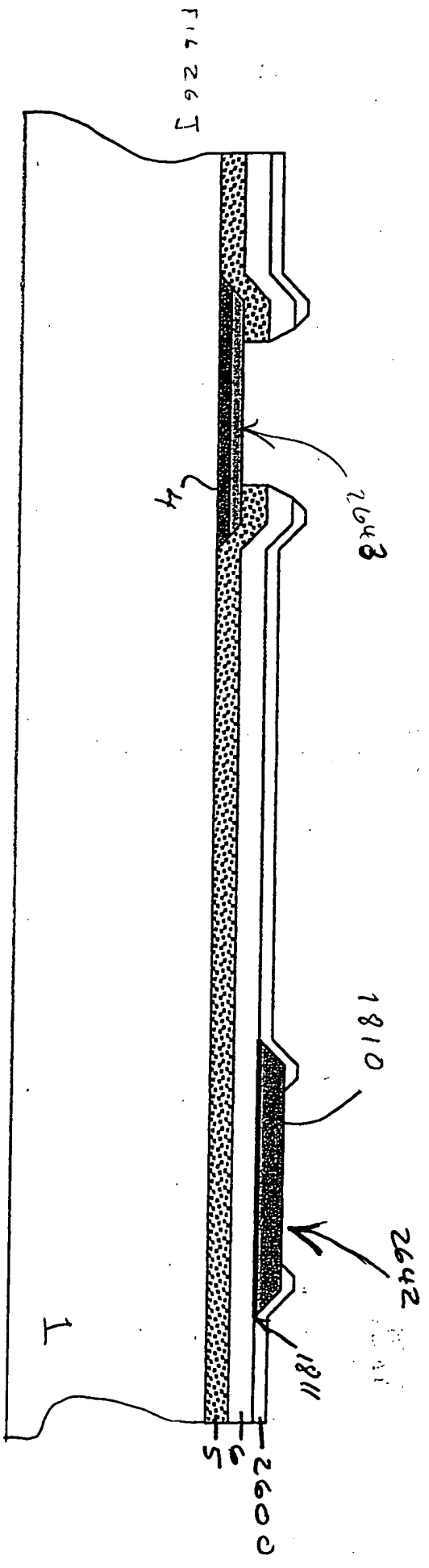
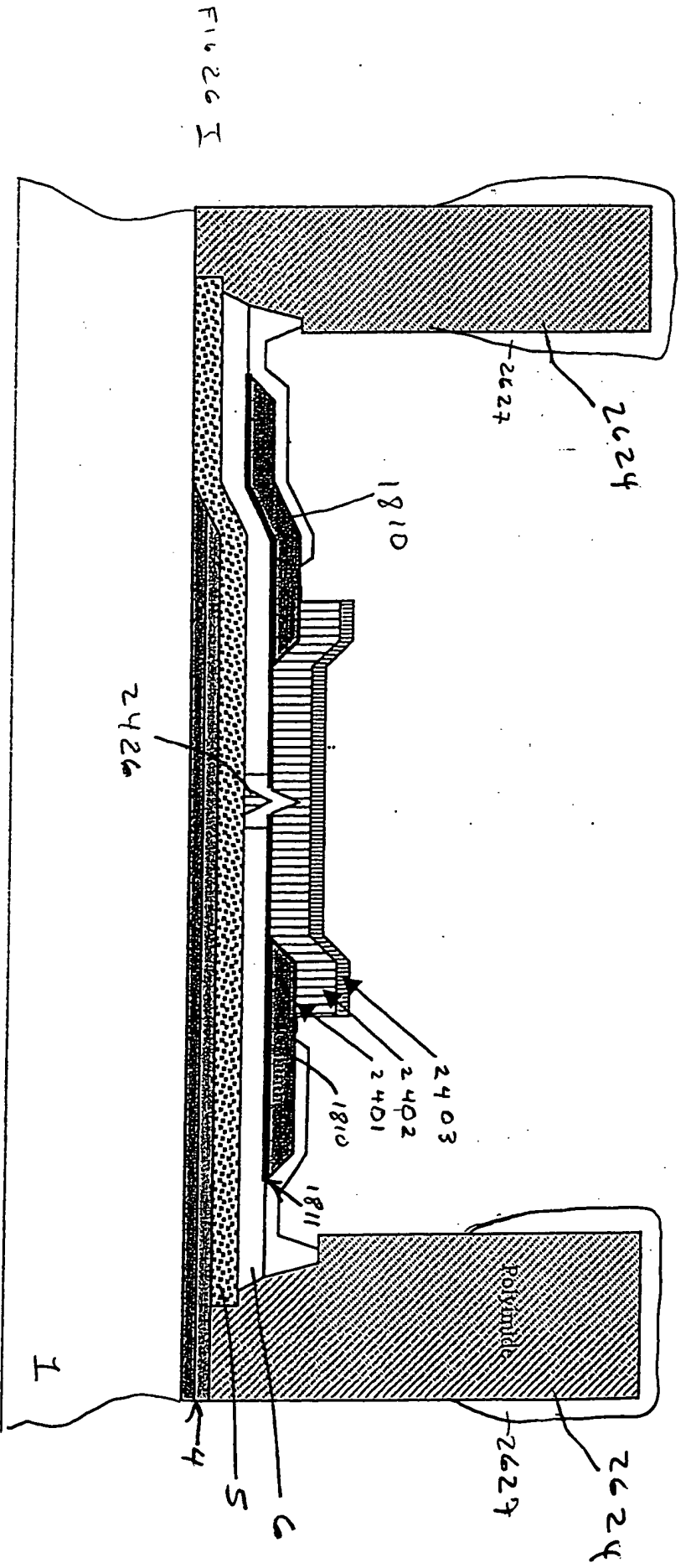


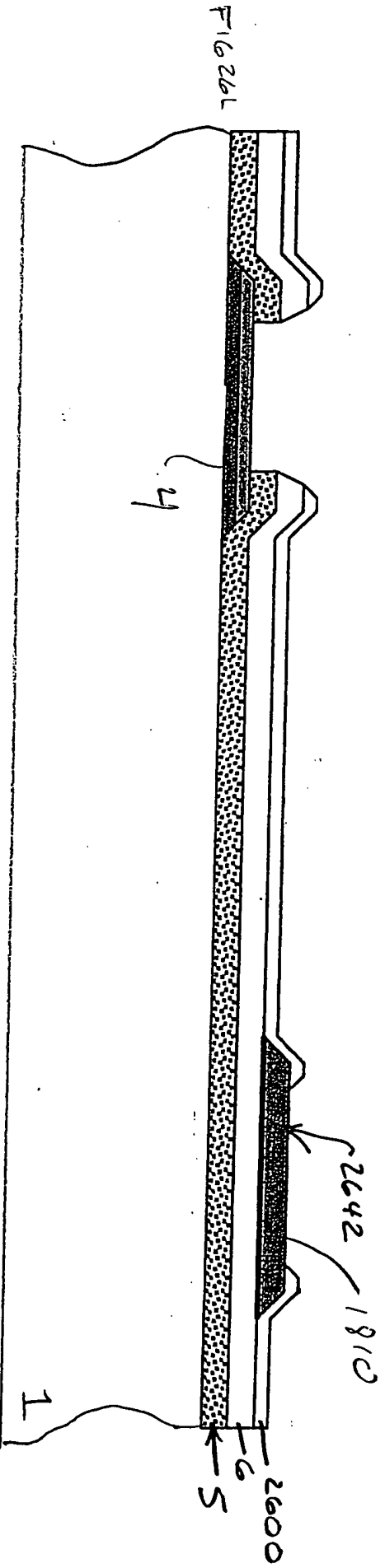
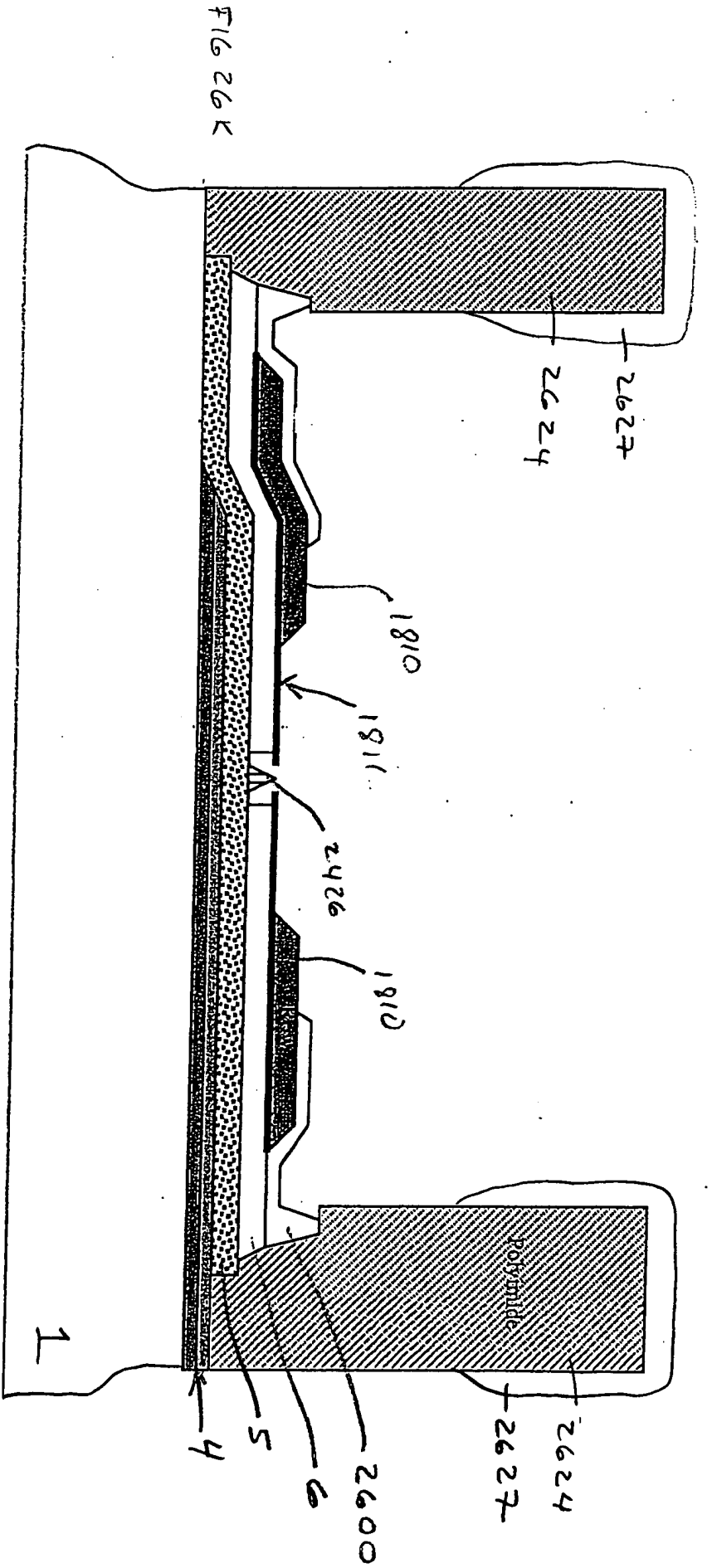
FIG 26F











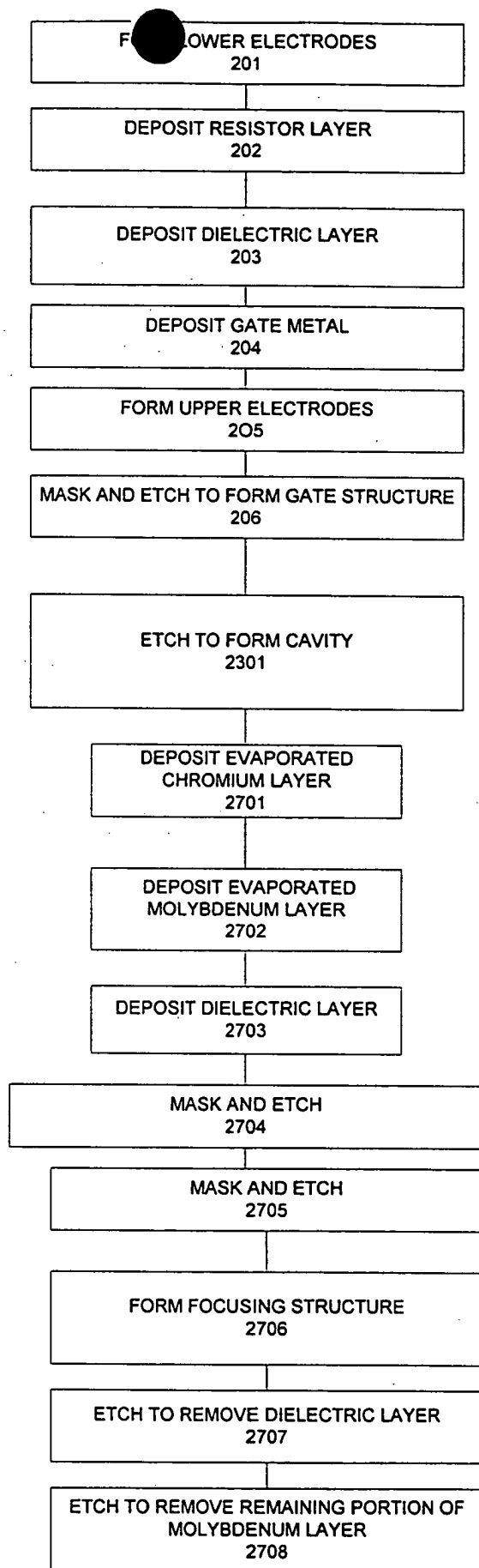
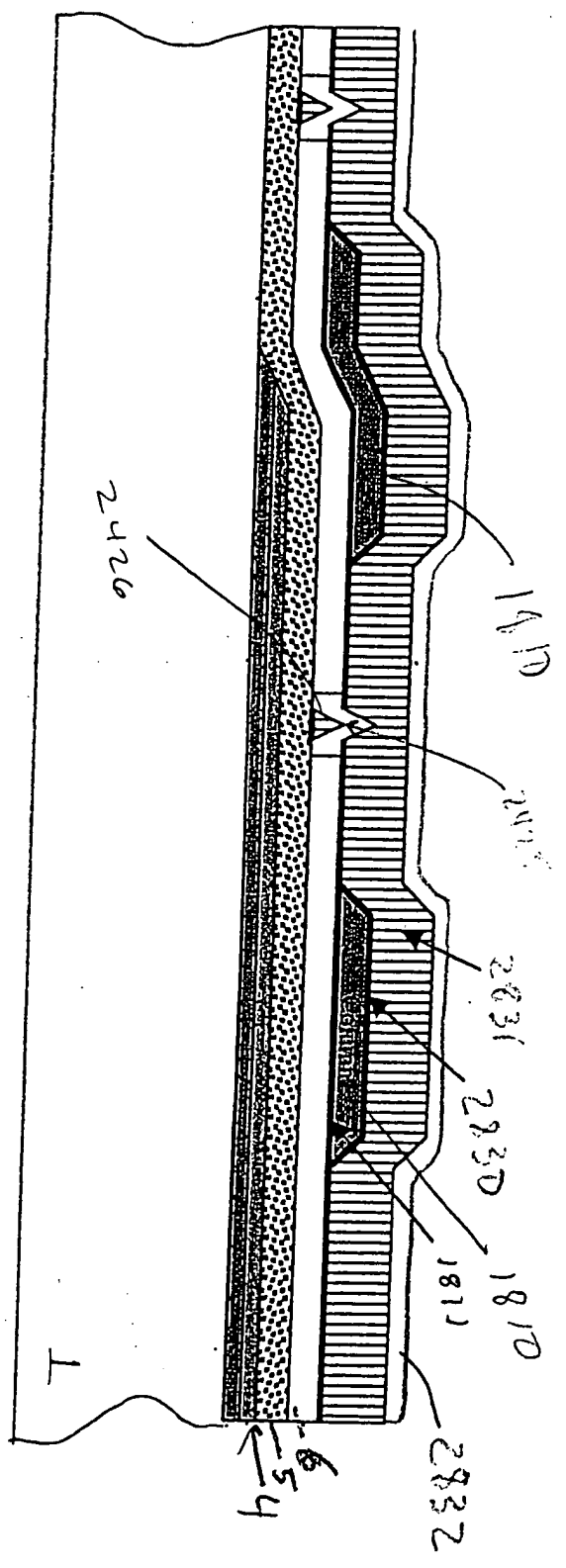


FIG. 27

FIG 28A



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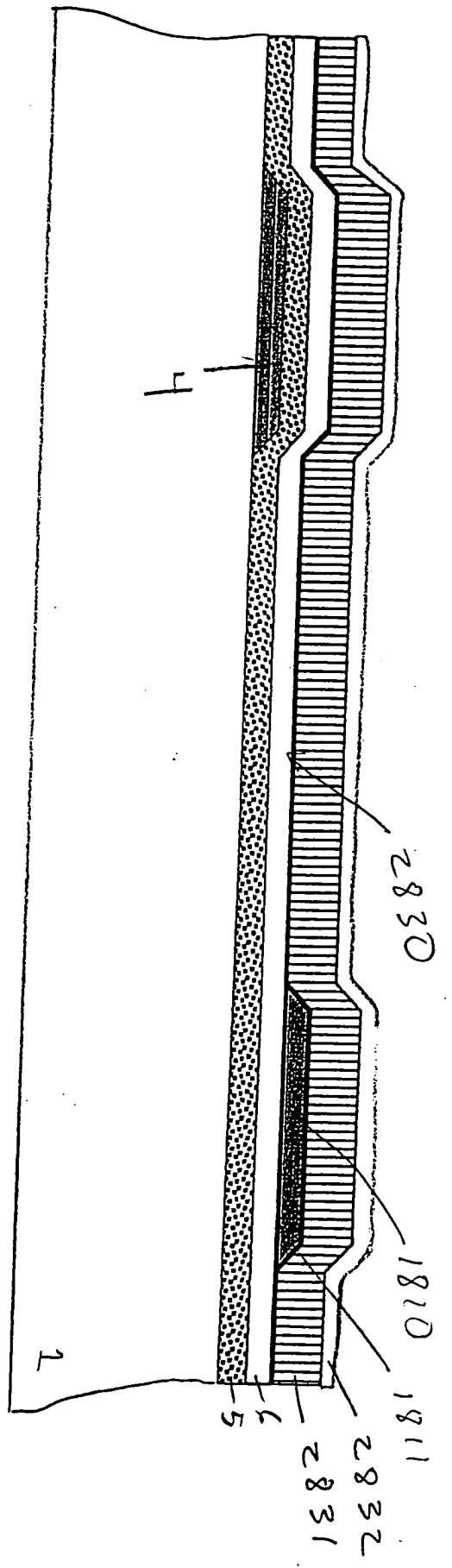


FIG 28 C

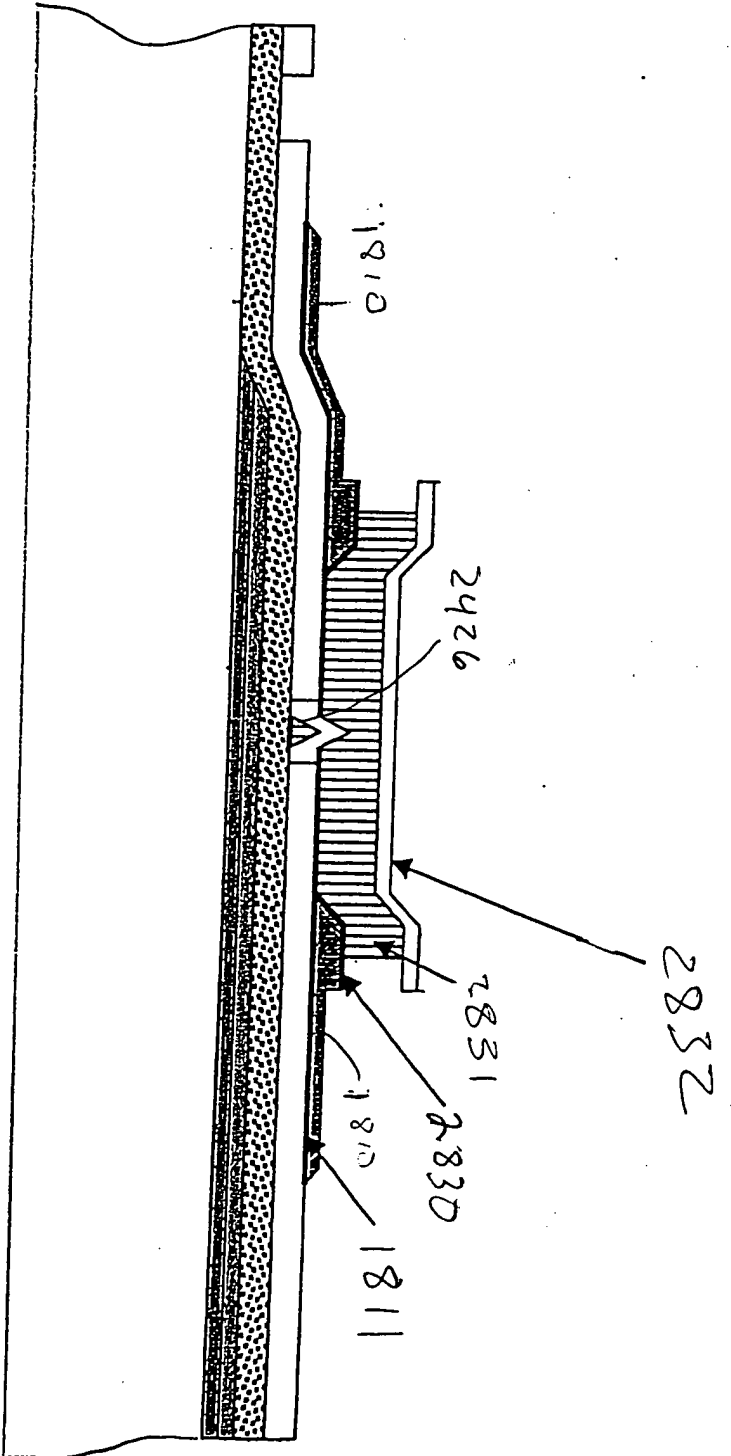
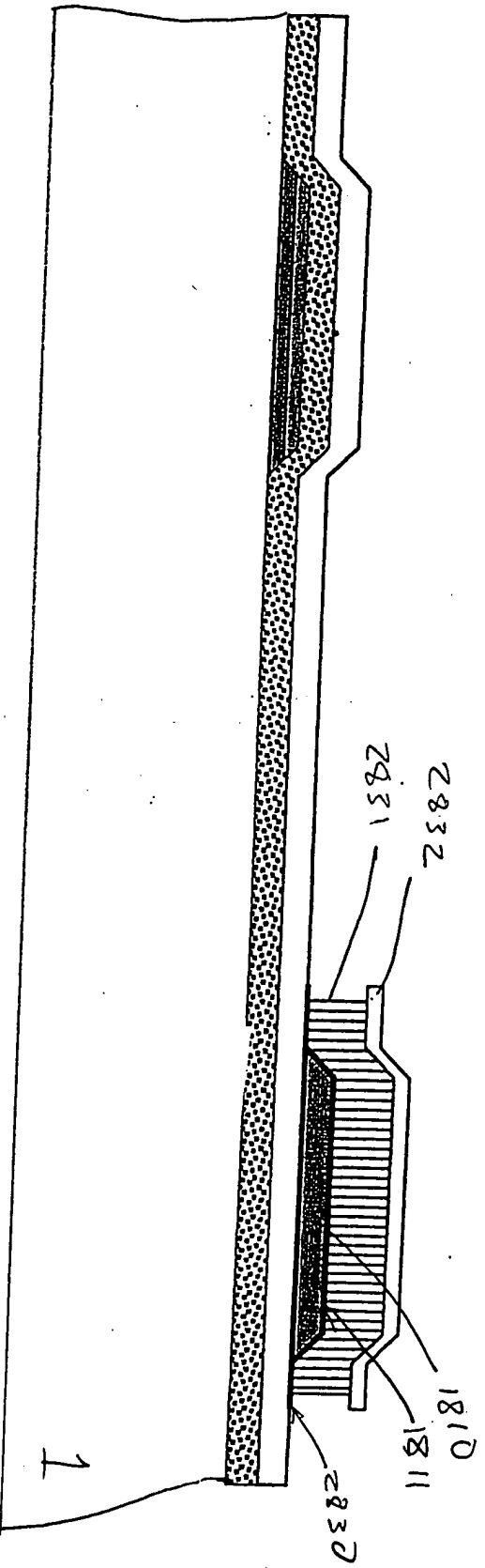


FIG 28 D



This cross-sectional view shows a multi-layered structure. At the top is a thin layer labeled 1810. Below it is a thick, stippled layer labeled 2426. Underneath the stippled layer is a layer with horizontal hatching, labeled 1811. Below the hatched layer is another thin layer labeled 1810. At the bottom is a layer with vertical hatching, labeled 2830. A central feature, labeled 2832, is shown as a vertical protrusion or channel passing through the layers. To the right of the central feature, there are two more labels: 2831 and 2882, which appear to point to specific regions or features. On the left side, there are labels 4, 5, and 7, which likely indicate different sections or components of the structure.

This cross-sectional view shows a multi-layered structure. At the top, there is a thin layer labeled 2823. Below this is a thick, textured layer labeled 4. Underneath the textured layer is another thin layer labeled 2830. Below the thin layer is a thick, vertically-hatched layer labeled 1810. At the bottom of the structure is a thin layer labeled 5. The entire structure is supported by a base labeled 1. A reference numeral 1811 points to the interface between the textured layer 4 and the vertically-hatched layer 1810.

[illegible]

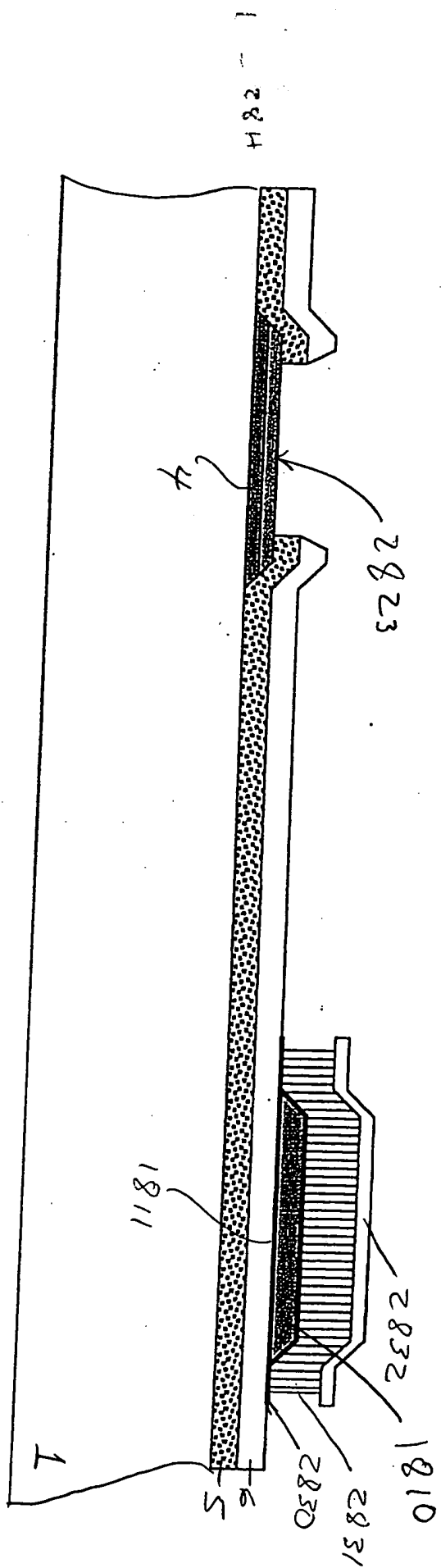
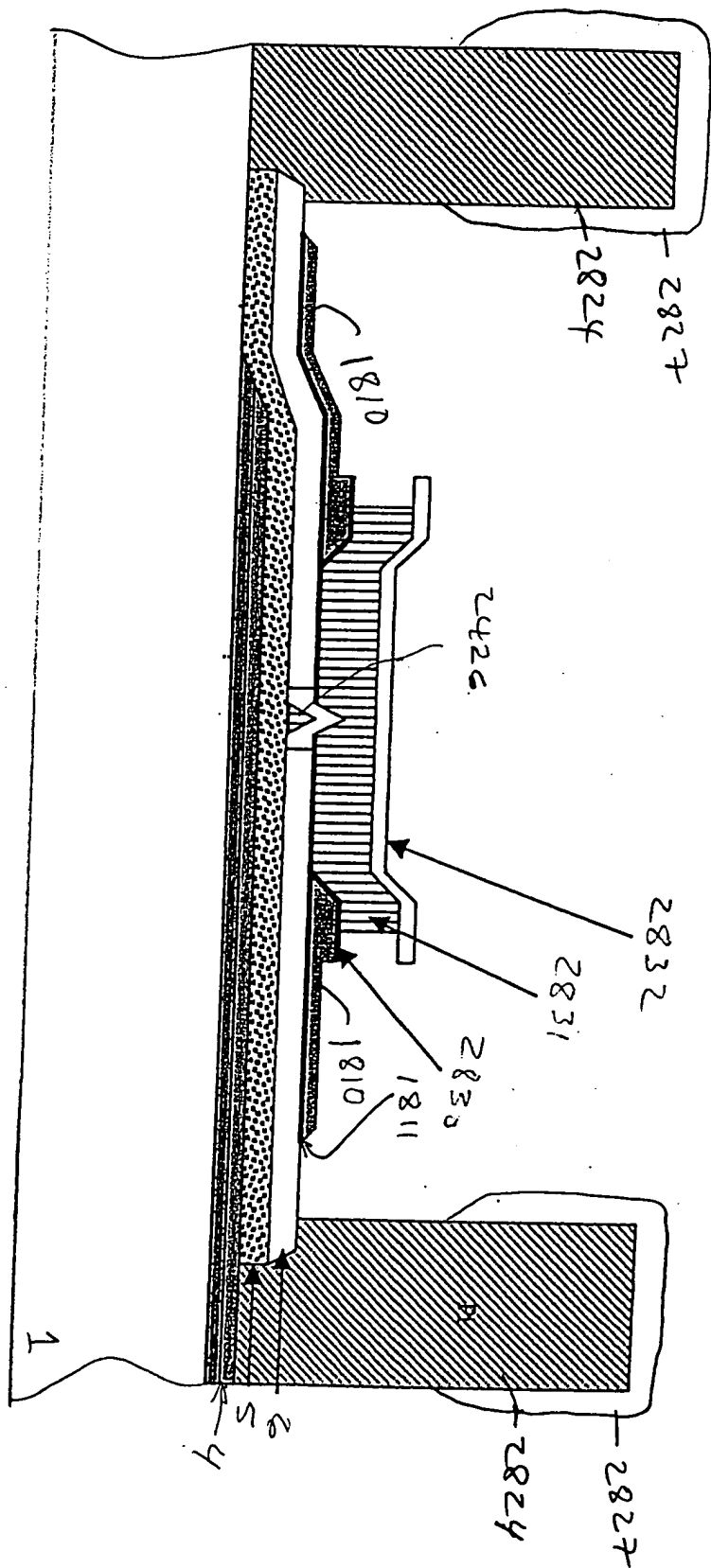






FIG 28 K

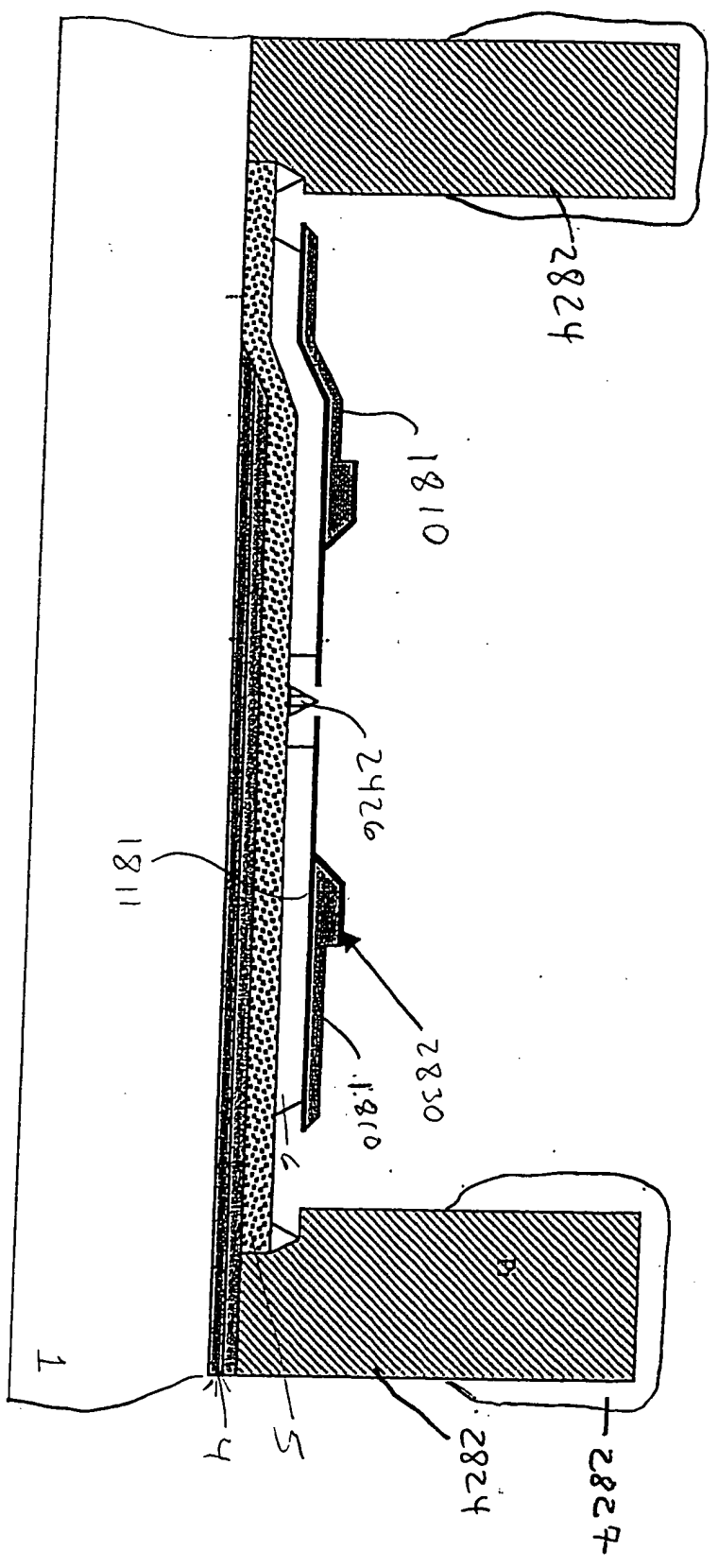
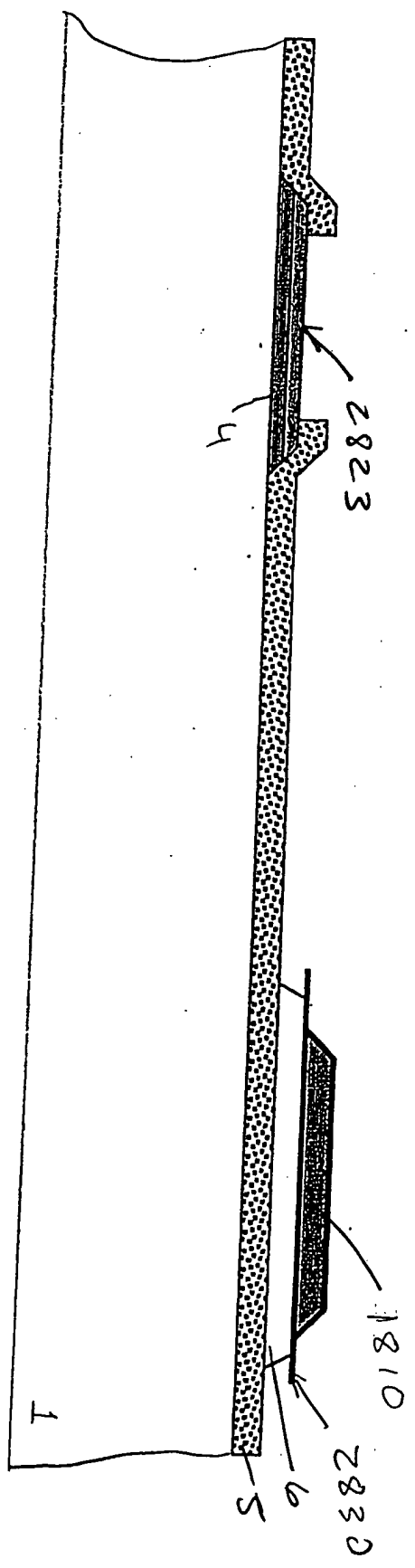


FIG 28 L



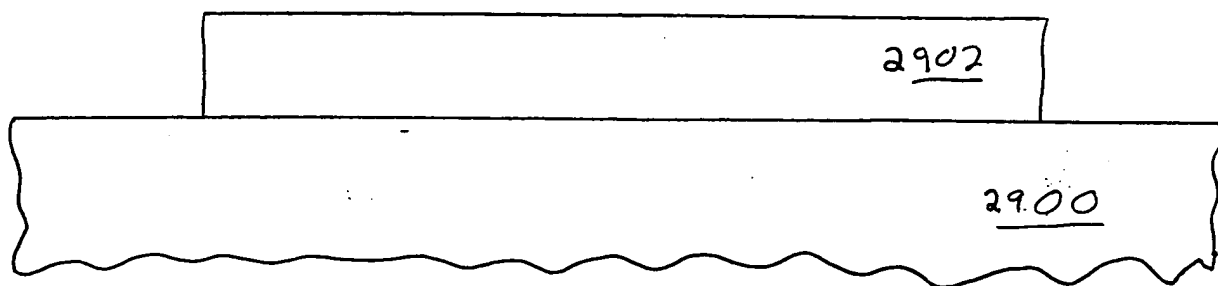


Fig. 29A

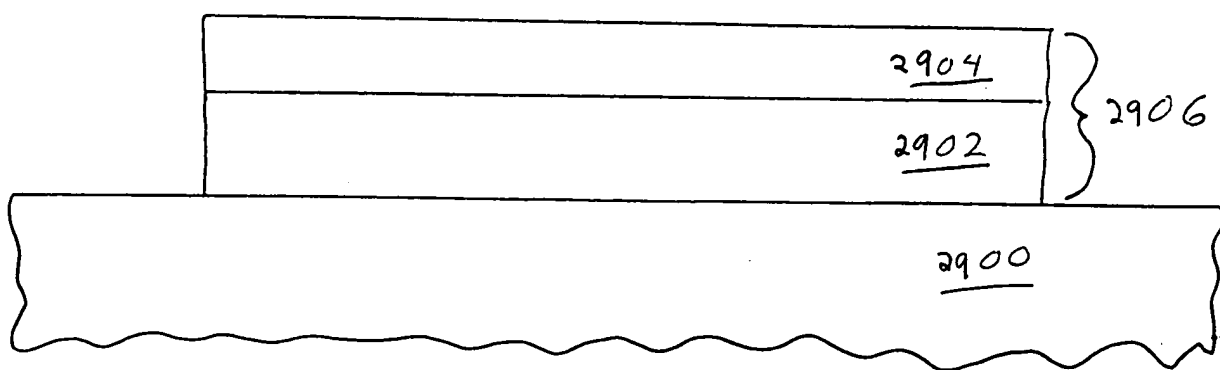


Fig. 29B

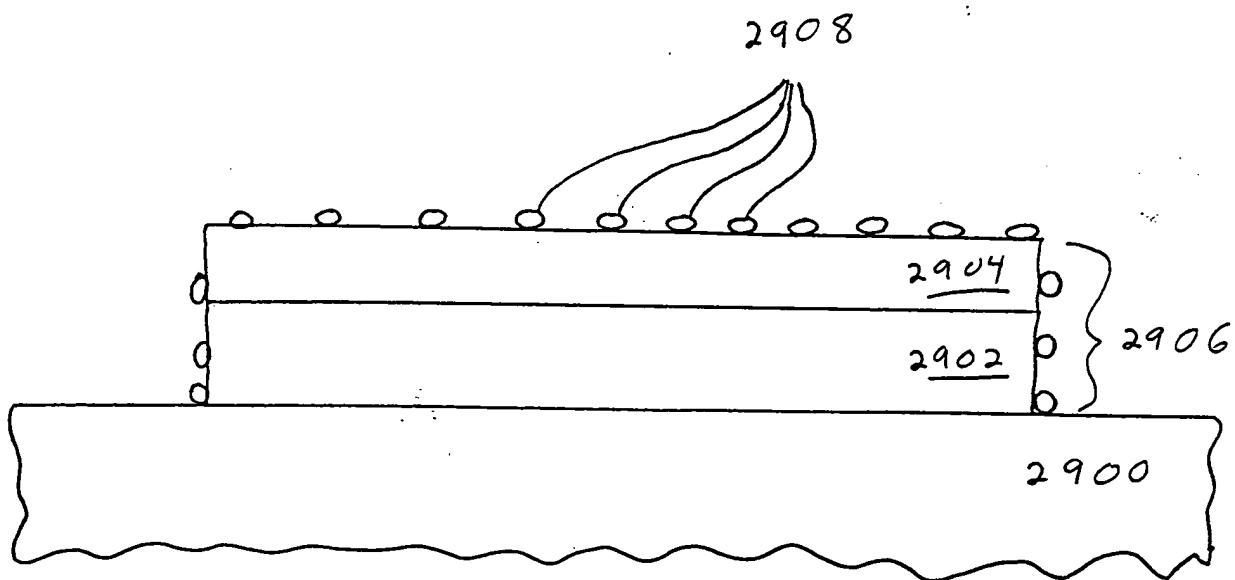


Fig. 29C

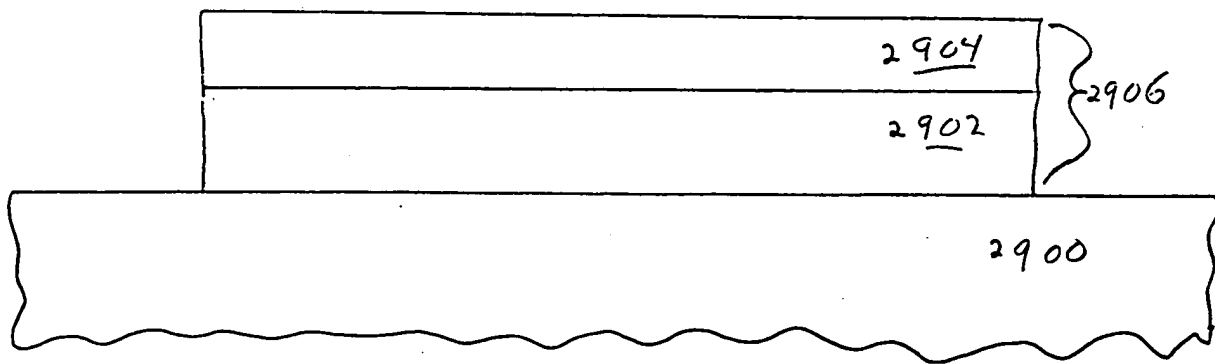


Fig. 29D

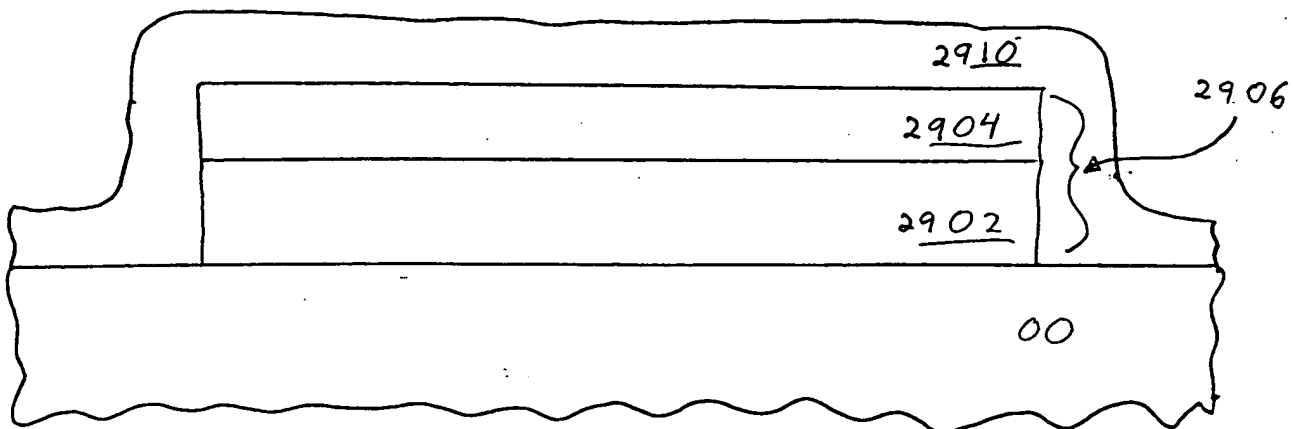


Fig. 29 E

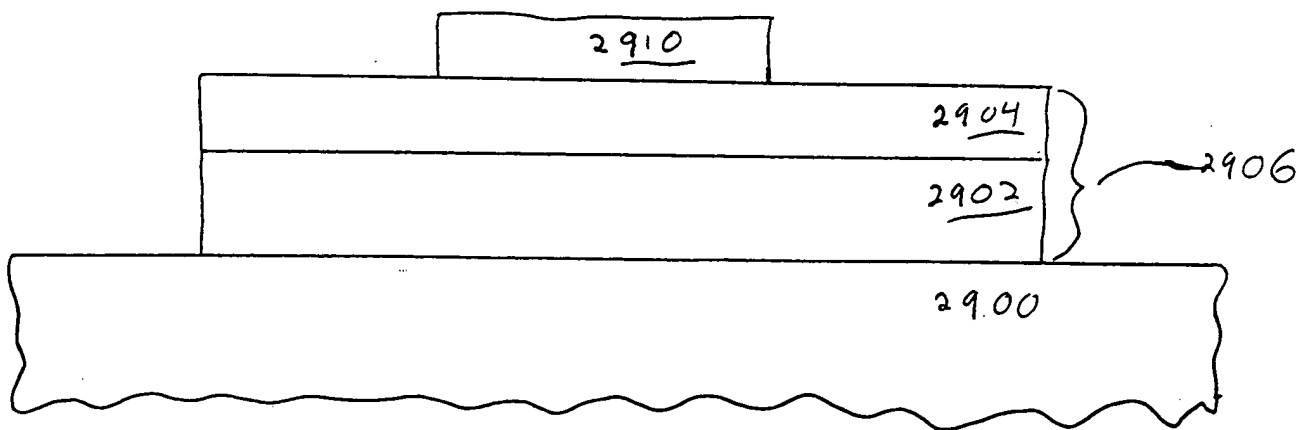


Fig. 29 F

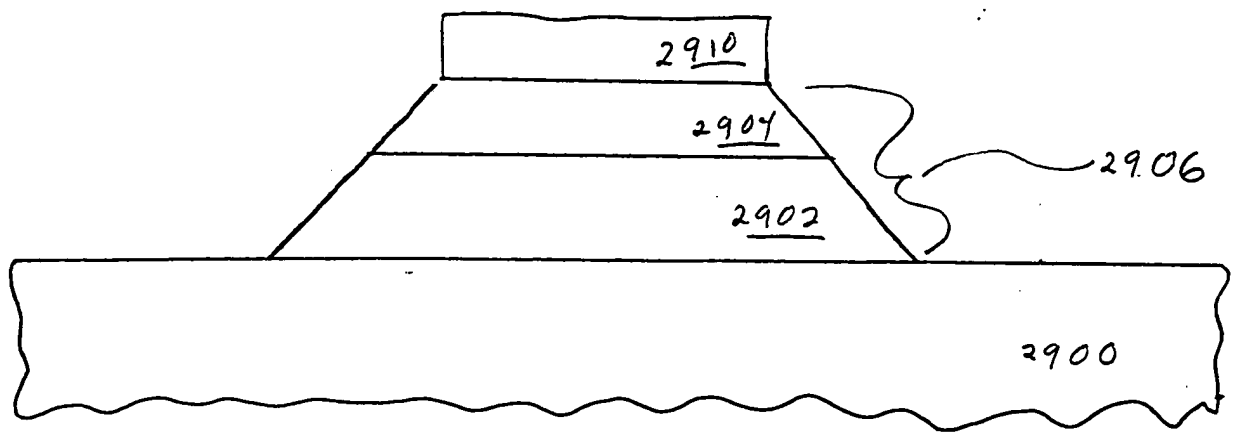


Fig. 29 G

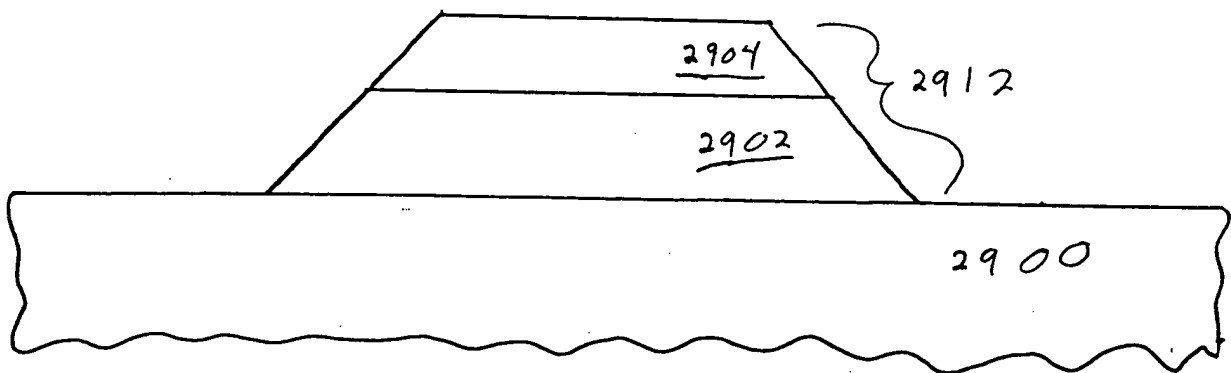


Fig. 29 H

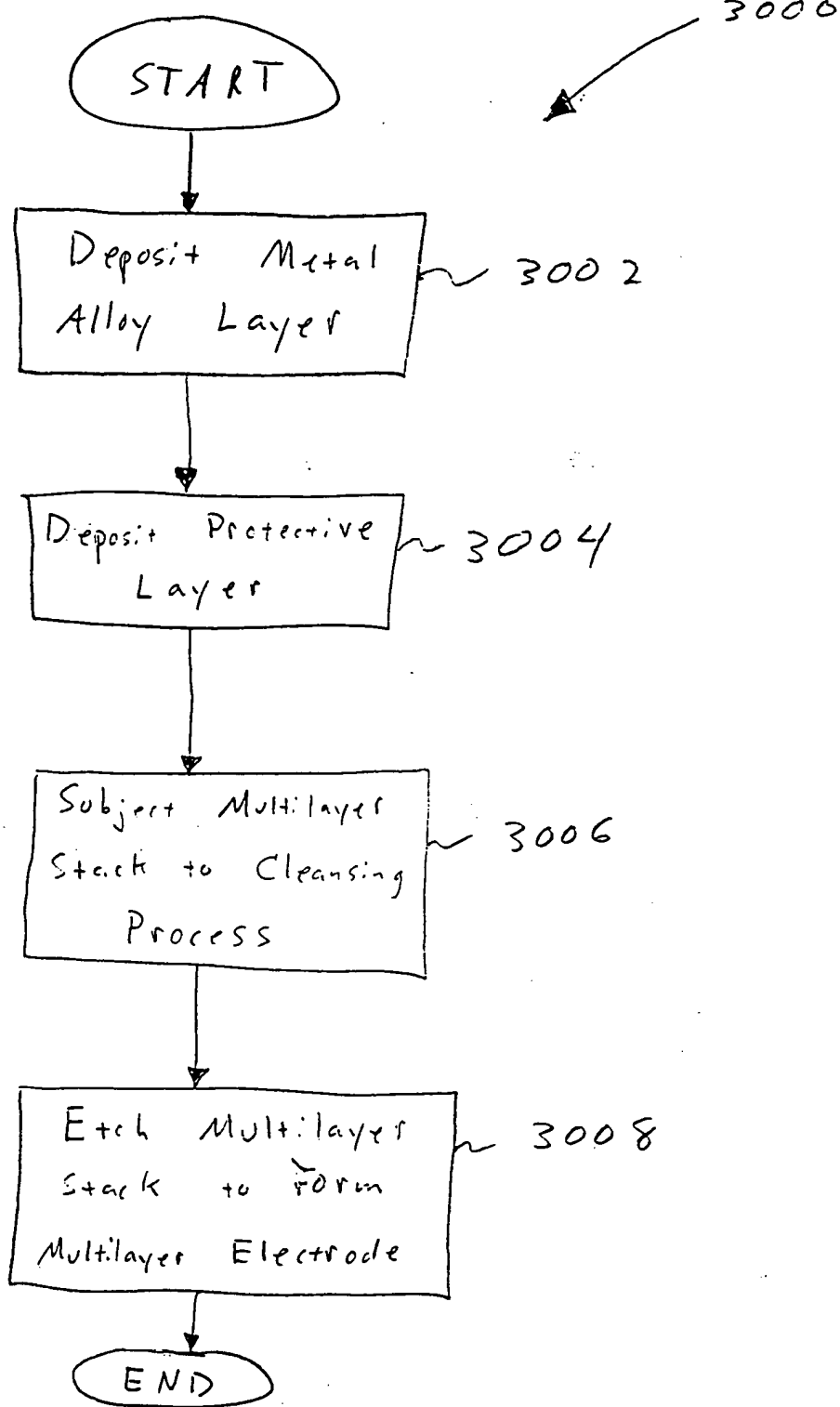


Fig. 30

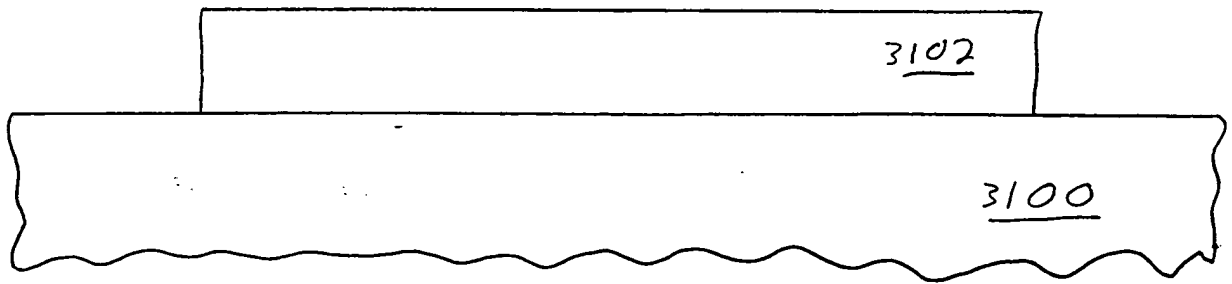


Fig. 31A

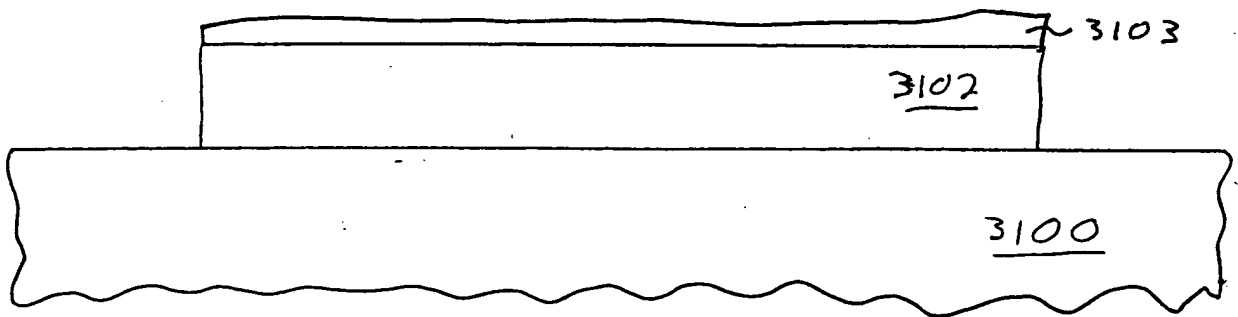


Fig. 31B

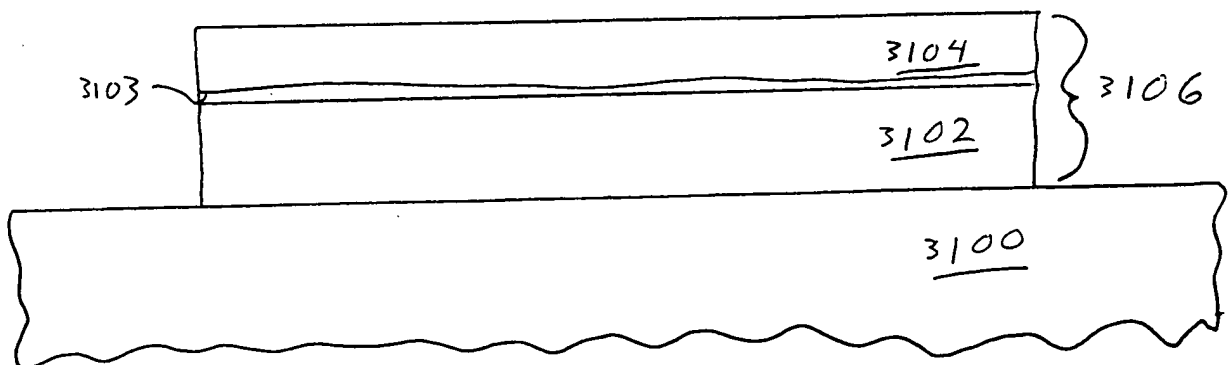
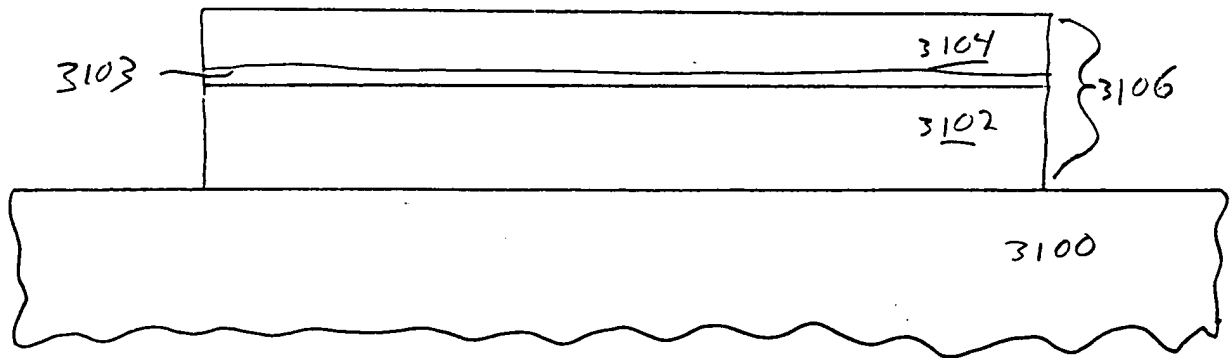
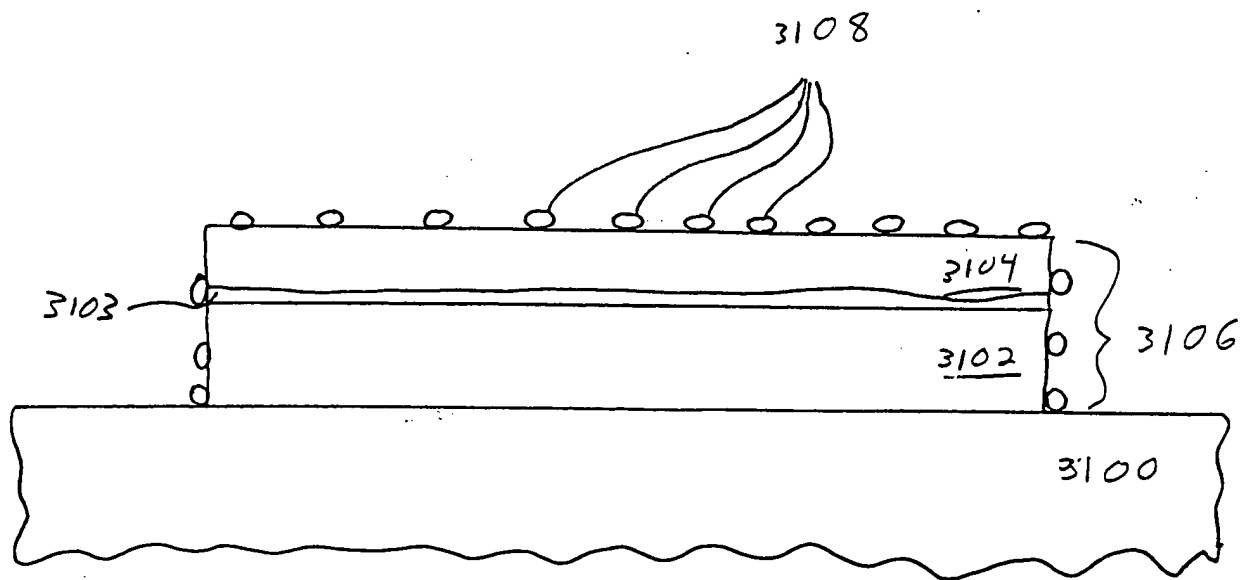


Fig. 31C





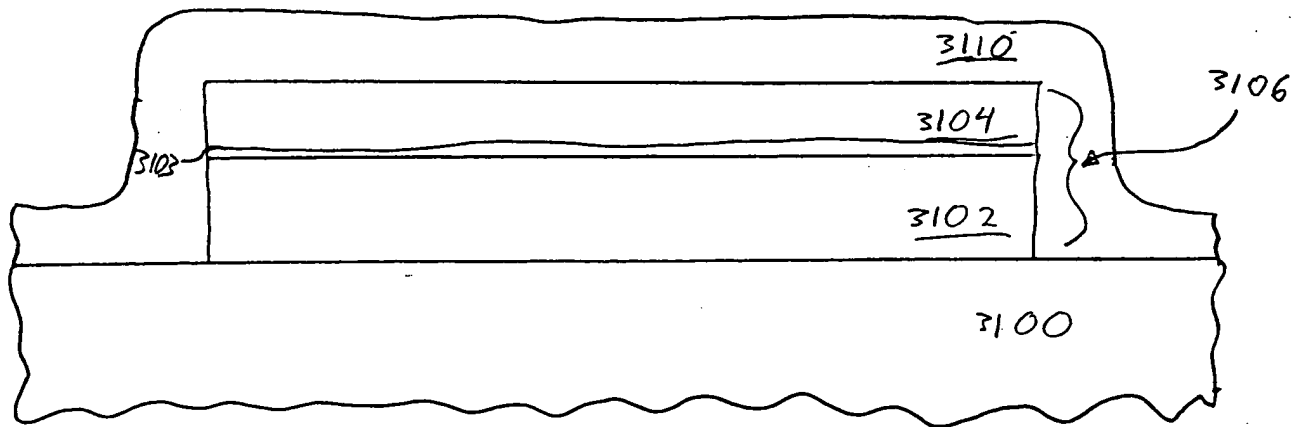


Fig. 31.F

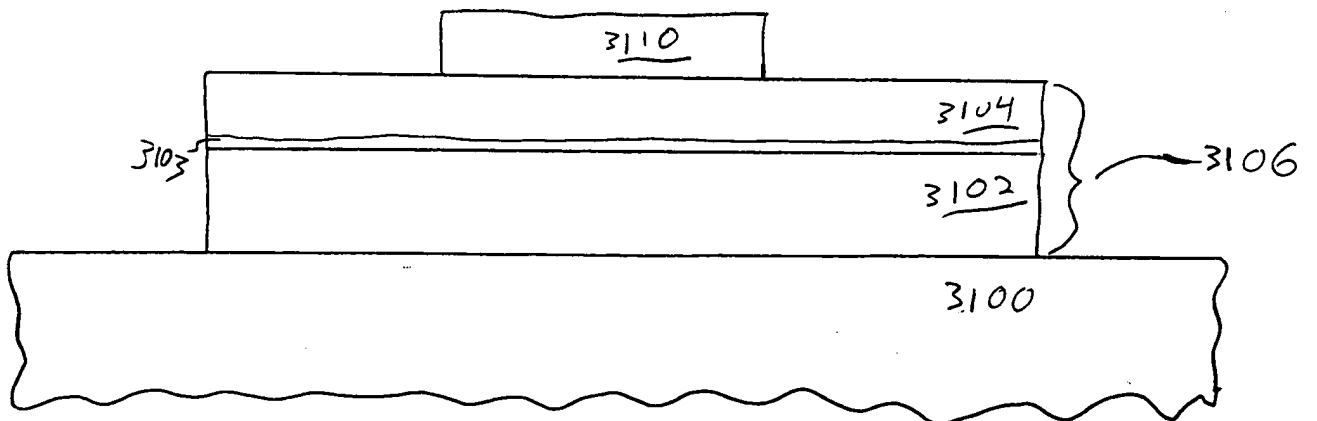


Fig. 31.G

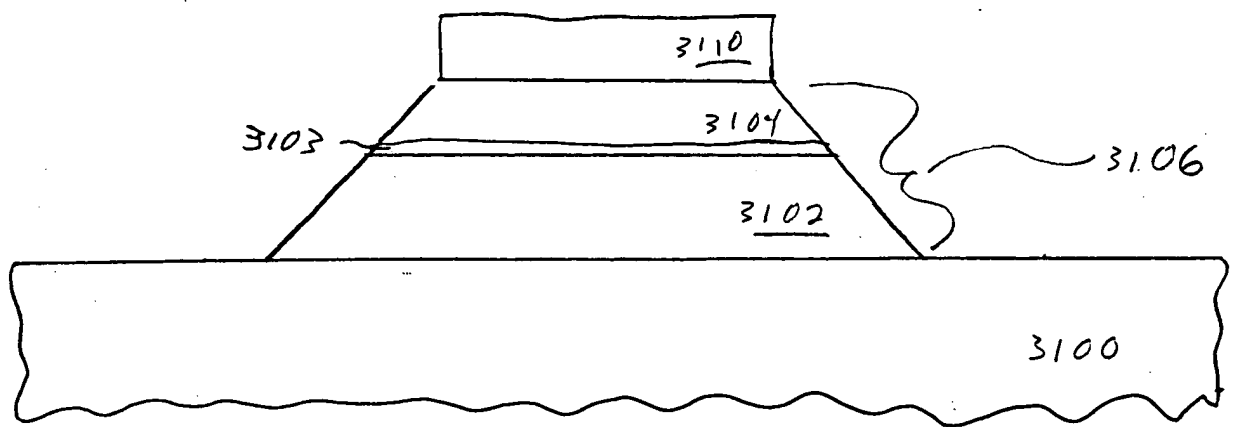


Fig. 31 H

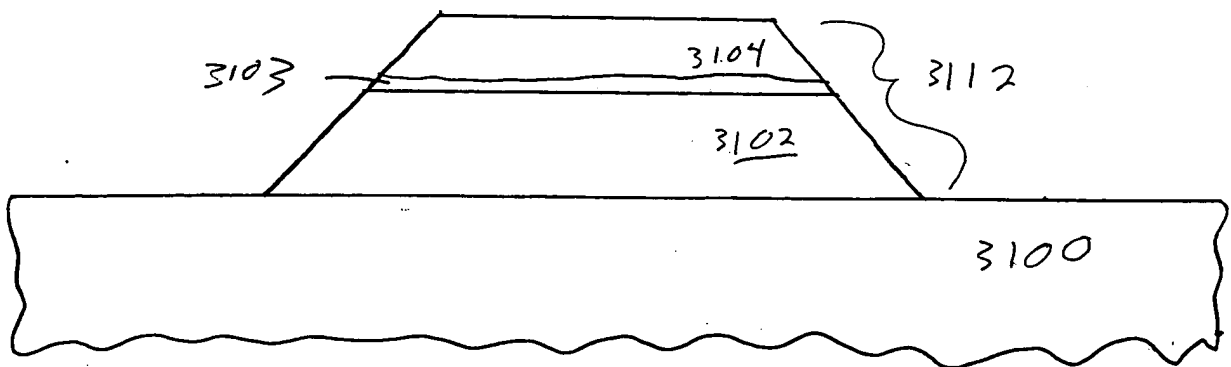


Fig. 31 I

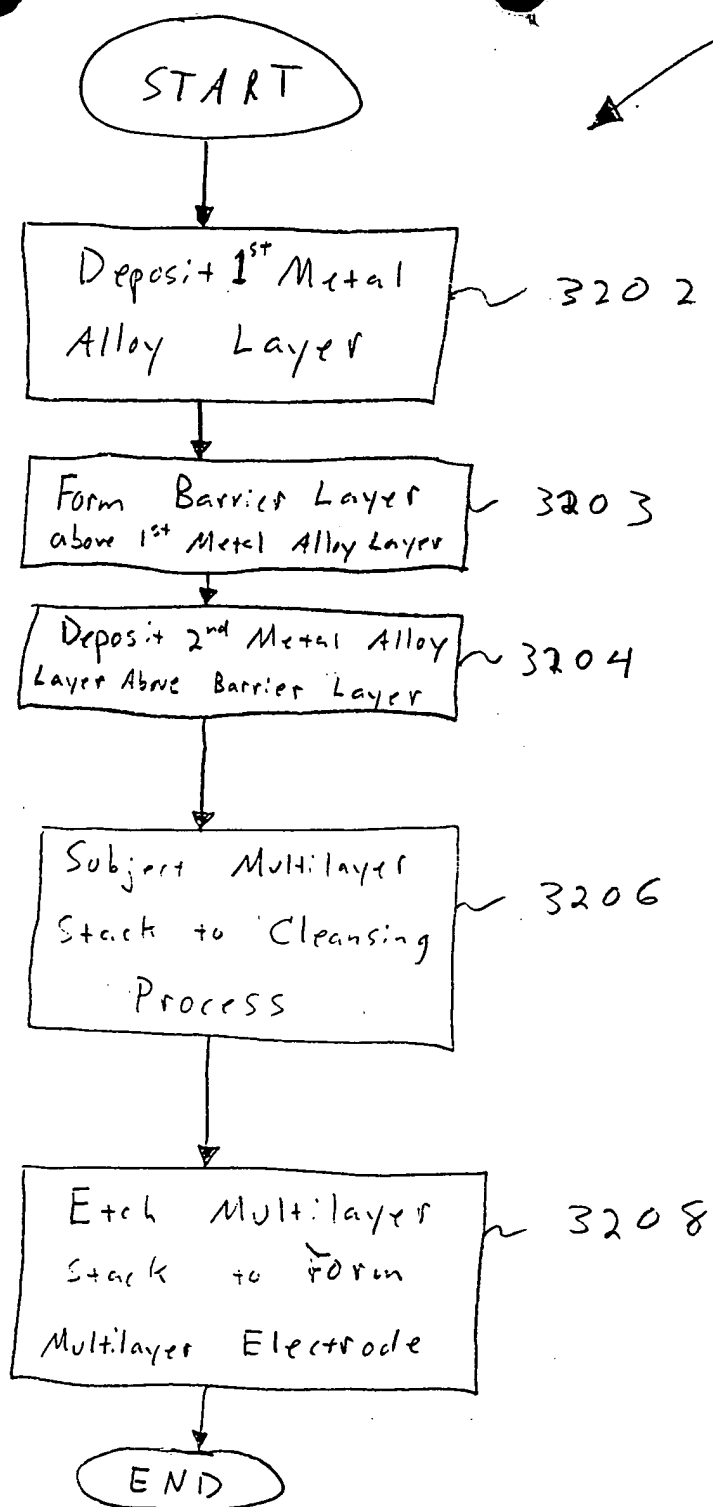


Fig. 32